MEDICAL PACKAGING TRANSITION PROJECT
CELL DESCRIPTORS
ENGLISH UNITS
## Table of Contents

### English Units

**EO**
- Pouches and Bags
- FFS
- Rigid Tray

**Gamma**
- Pouches and Bags
- FFS
- Rigid Tray

**Electron Beam**
- Pouches and Bags
- FFS

**Steam**
- Pouches and Bags
- Rigid Tray

**Dry Heat**
- Rigid Tray

**Low Temperature \( \text{H}_2\text{O}_2 \)**
- Pouches and Bags
- Rigid Tray
DuPont™ Tyvek® 1073B – Coated – Pouch – EO

Package Configuration
Chevron peel pouch

Top Web
DuPont™ Tyvek® 1073B
Oliver-Tolas® XHale® 109P Coated

Bottom Web
Oliver-Tolas®
48-gauge PET/2 mil LDPE Film

Sterilization
EO deep draw
Number of cycles: 2
Total time per cycle (excluding pre- and post-conditioning): 12 hours and 0 minutes
EO exposure time per cycle: 3 hours and 0 minutes
EO concentration: 560 ppm
Maximum temperature: 130°F
Maximum relative humidity: 90%
Maximum pressure rate change: 0.7 psi/min
DuPont™ Tyvek® 1073B – Coated – Pouch – EO

**Package Configuration**
Chevron peel pouch

**Top Web**
DuPont™ Tyvek® 1073B
Perfecseal® CR27 EU Coated

**Bottom Web**
0.5 mil PET/2.0 mil LDPE Film

**Sterilization**
EO deep draw

- Number of cycles: 1
- Total time *per cycle* (excluding pre- and post-conditioning): 8 hours and 16 minutes
- EO exposure time *per cycle*: 4 hours and 2 minutes
- EO concentration: **1455 ppm**
- Maximum temperature: **126°F**
- Maximum relative humidity: **70%**
- Maximum pressure rate change: **0.9 psi/min**
DuPont™ Tyvek® 1073B – Coated – Header bag – EO

**Package Configuration**

Header bag

**Top Web**

DuPont™ Tyvek® 1073B
Amcor Flexibles Inc. Coated

**Bottom Web**

Amcor Flexibles Inc.
4 mil PE/Nylon/PE Bag Film

**Sterilization**

EO deep draw

- Number of cycles: 2
- Total time *per cycle* (excluding pre- and post-conditioning): 8 hours and 30 minutes
- EO exposure time *per cycle*: ~3-4 hours and 0 minutes
- EO concentration: 465 ppm
- Maximum temperature: 158°F
- Maximum relative humidity: ~100%
- Maximum pressure rate change: 2.0 psi/min
DuPont™ Tyvek® 1073B – Coated – Header bag – EO

**English Units**

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Header bag</td>
<td>EO shallow draw</td>
</tr>
<tr>
<td><strong>Top Web</strong></td>
<td>Number of cycles: 1</td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1073B</td>
<td>Total time <em>per cycle</em> (excluding pre- and post-conditioning):</td>
</tr>
<tr>
<td>Perfecseal® CR27 EU Coated</td>
<td>&gt;18 hours and 10 minutes</td>
</tr>
<tr>
<td><strong>Bottom Web</strong></td>
<td>EO exposure time <em>per cycle</em>: &gt;14 hours and 0 minutes</td>
</tr>
<tr>
<td>5 mil transparent and white PE films</td>
<td>EO concentration: &gt;194 ppm</td>
</tr>
</tbody>
</table>

Maximum temperature: 113°F

Maximum relative humidity: 95%

Maximum pressure rate change: 0.5 psi/min
DuPont™ Tyvek® 1073B – Coated – Pouch – EO

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chevron peel pouch</td>
<td>EO shallow draw</td>
</tr>
<tr>
<td></td>
<td>Number of cycles: 2</td>
</tr>
<tr>
<td>Top Web</td>
<td>Total time per cycle (excluding pre- and post-conditioning): 13 hours and 0 minutes</td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1073B</td>
<td>EO exposure time per cycle: 10 hours and 0 minutes</td>
</tr>
<tr>
<td>Perfecseal® CR27 Coated</td>
<td>EO concentration: 770 ppm</td>
</tr>
<tr>
<td>Bottom Web</td>
<td>Maximum temperature: 118°F</td>
</tr>
<tr>
<td>4 mil Multi-layer Nylon/PE Coex Film</td>
<td>Maximum relative humidity: 81%</td>
</tr>
<tr>
<td></td>
<td>Maximum pressure rate change: 0.7 psi/min</td>
</tr>
</tbody>
</table>
DuPont™ Tyvek® 1073B – Coated – Header bag – EO

English Units

**Package Configuration**

Header bag

**Top Web**

DuPont™ Tyvek® 1073B
Perfecseal® HCW CR27 Coated

**Bottom Web**

ShieLLD™ 36604-O
4 mil Nylon/PE Bag Film

**Sterilization**

EO deep draw

- Number of cycles: 1
- Total time per cycle (including pre- and post-conditioning): 27 hours and 0 minutes
- EO exposure time per cycle: 3 hours and 0 minutes
- EO concentration: **600 ppm**
- Maximum temperature: **150°F**
- Maximum relative humidity: ~**100%**
- Maximum pressure rate change: **1.0 psi/min**
## DuPont™ Tyvek® 1073B – Coated – Pouch – EO

### English Units

**Package Configuration**

- Chevron peel pouch

**Top Web**

- DuPont™ Tyvek® 1073B
- Oliver-Tolas® SealScience® TPT-0270 Coated

**Bottom Web**

- Oliver-Tolas® TPF-0524 1 mil Biax Nylon/3 mil LLDPE Film

### Sterilization

- **EO deep draw**
  - Number of cycles: 2
  - Total time *per cycle* (excluding pre- and post-conditioning): 16 hours and 25 minutes
  - EO exposure time *per cycle*: 8 hours and 10 minutes
  - EO concentration: **518 ppm**
  - Maximum temperature: **132°F**
  - Maximum relative humidity: **90%**
  - Maximum pressure rate change: **1.0 psi/ min**
DuPont™ Tyvek® 1073B – Uncoated – Pouch – EO

English Units

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chevron peel pouch</strong></td>
<td><strong>EO deep draw</strong></td>
</tr>
</tbody>
</table>

**Top Web**

DuPont™ Tyvek® 1073B
Oliver-Tolas® Uncoated

**Bottom Web**

Oliver-Tolas® TPF-0501A
48-gauge PET/2 mil LDPE Film

**Sterilization**

- **Number of cycles:** 2
- **Total time per cycle (excluding pre- and post-conditioning):** 16 hours and 25 minutes
- **EO exposure time per cycle:** 8 hours and 10 minutes
- **EO concentration:** 518 ppm
- **Maximum temperature:** 132°F
- **Maximum relative humidity:** 90%
- **Maximum pressure rate change:** 1.0 psi/min
DuPont™ Tyvek® 1073B – Uncoated – Pouch – EO

English Units

**Package Configuration**

Chevron peel pouch

**Top Web**

DuPont™ Tyvek® 1073B
Mangar Industries Uncoated

**Bottom Web**

48-gauge PET/2 mil LDPE Film

**Sterilization**

EO deep draw

- Number of cycles: 3
- Total time *per cycle* (excluding pre- and post-conditioning): ~6 hours and 45 minutes
- EO exposure time *per cycle*: ~5 hours and 0 minutes
- EO concentration: 600 ppm
- Maximum temperature: 130°F
- Maximum relative humidity: 75%
- Maximum pressure rate change: 0.5 psi/min
DuPont™ Tyvek® 1073B – Uncoated – Pouch – EO

English Units

**Package Configuration**

Chevron peel pouch

**Top Web**

DuPont™ Tyvek® 1073B
Mangar Industries Uncoated

**Bottom Web**

100-gauge Biax Nylon/2 mil PE Film

**Sterilization**

EO deep draw

Number of cycles: 2
Total time *per cycle* (including pre- and post-conditioning): >16 hours and 0 minutes
EO exposure time *per cycle*: >6 hours and 0 minutes
EO concentration: >500 ppm
Maximum temperature: ~131°F
Maximum relative humidity: ~90%
Maximum pressure rate change: 0.5 psi/min
DuPont™ Tyvek® 1073B – Uncoated – Pouch – EO

Package Configuration
Chevron peel pouch

Top Web
DuPont™ Tyvek® 1073B
Perfecseal® Uncoated

Bottom Web
Perfecflex® 35891-K
92-gauge OPET/3 mil PE Film

Sterilization
EO deep draw

Number of cycles: 2
Total time per cycle (excluding pre- and post-conditioning): 8-12 hours and 0 minutes
EO exposure time per cycle: 2 hours and 0 minutes
EO concentration: 640-720 ppm
Maximum temperature: 126°F
Maximum relative humidity: 60%
Maximum pressure rate change: 0.8 psi/min
DuPont™ Tyvek® 1073B – Uncoated – Pouch – EO

**Package Configuration**

Chevron peel pouch

**Top Web**

DuPont™ Tyvek® 1073B
Beacon Converters® Uncoated

**Bottom Web**

Beacon Converters® A29™
100-gauge Biax Nylon/3 mil Peelable PE Film

**Sterilization**

EO deep draw

- Number of cycles: 1
- Total time *per cycle* (including pre- and post-conditioning): 29-30 hours and 0 minutes
- EO exposure time *per cycle*: 5-6 hours and 0 minutes
- EO concentration: 500 ppm
- Maximum temperature: 120°F
- Maximum relative humidity: 75%
- Maximum pressure rate change: 0.5 psi/min
**DuPont™ Tyvek® 1073B – Uncoated – Pouch – EO**

**English Units**

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chevron peel pouch</strong></td>
<td><strong>EO deep draw</strong></td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1073B</td>
<td>Number of cycles: 3</td>
</tr>
<tr>
<td>Amcor Flexibles Inc. Uncoated</td>
<td>Total time <em>per cycle</em> (excluding pre- and post-conditioning): ~13 hours and 45 minutes</td>
</tr>
<tr>
<td><strong>Top Web</strong></td>
<td>EO exposure time <em>per cycle</em>: 3-4 hours and 0 minutes</td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1073B</td>
<td>EO concentration: ~660 ppm</td>
</tr>
<tr>
<td>Amcor Flexibles Inc.</td>
<td>Maximum temperature: 135°F</td>
</tr>
<tr>
<td><strong>Bottom Web</strong></td>
<td>Maximum relative humidity: 90%</td>
</tr>
<tr>
<td>Amcor Flexibles Inc.</td>
<td>Maximum pressure rate change: 1.6 psi/min</td>
</tr>
<tr>
<td>48-gauge PET/Adhesive/2 mil LDPE Film</td>
<td></td>
</tr>
</tbody>
</table>

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DuPont™ Tyvek® 1073B – Uncoated – Pouch – EO

**Package Configuration**

Chevron peel pouch

**Top Web**

DuPont™ Tyvek® 1073B
Mangar Industries Uncoated

**Bottom Web**

1 mil Nylon/
2 mil Peelable LDPE/Allegro® T Film

**Sterilization**

EO deep draw

- Number of cycles: 2
- Total time *per cycle* (excluding pre- and post-conditioning): 13 hours and 12 minutes
- EO exposure time *per cycle*: 4 hours and 0 minutes
- EO concentration: 650 ppm
- Maximum temperature: 113°F
- Maximum relative humidity: 100%
- Maximum pressure rate change: 0.4 psi/min
DuPont™ Tyvek® 1059B – Uncoated – Header bag – EO

English Units

**Package Configuration**

Kwikbreathe™ True Header Bag

**Top Web**

DuPont™ Tyvek® 1059B
Printpack Inc. Uncoated

**Bottom Web**

Printpack Inc. 4 mil LLDPE-mULDPE Films

**Sterilization**

EO shallow draw

Number of cycles: 2

Total time *per cycle* (*excluding* pre- and post-conditioning): ~13 hours and 30 minutes

EO exposure time *per cycle*: 7 hours and 0 minutes

EO concentration: ~500 ppm

Maximum temperature: 140°F

Maximum relative humidity: 80%

Maximum pressure rate change: 1.0 psi/min
### Package Configuration

- **Chevron peel pouch**

### Top Web

- **DuPont™ Tyvek® 1059B**
- Amcor Flexibles Inc. Uncoated

### Bottom Web

- Amcor Flexibles Inc.
- 48-gauge PET/2.3 mil LLDPE/EVA Film

### Sterilization

- **EO deep draw**
  - Number of cycles: 3
  - Total time per cycle (excluding pre- and post-conditioning): 12 hours and 0 minutes
  - EO exposure time per cycle: 4 hours and 30 minutes
  - EO concentration: **600 ppm**
  - Maximum temperature: **140°F**
  - Maximum relative humidity: **85%**
  - Maximum pressure rate change: **1.2 psi/min**
**DuPont™ Tyvek® 1059B – Uncoated – Pouch – EO**

**English Units**

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chevron peel pouch</td>
<td>EO deep draw</td>
</tr>
<tr>
<td><strong>Top Web</strong></td>
<td>Number of cycles: 2</td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1059B</td>
<td>Total time <em>per cycle</em> (excluding pre- and post-conditioning): 8-10 hours and 0 minutes</td>
</tr>
<tr>
<td>Mangar Industries Uncoated</td>
<td>EO exposure time <em>per cycle</em>: 2 hours and 0 minutes</td>
</tr>
<tr>
<td><strong>Bottom Web</strong></td>
<td>EO concentration: <strong>370 ppm</strong></td>
</tr>
<tr>
<td>48-gauge PET/2 mil LDPE Film</td>
<td>Maximum temperature: <strong>130°F</strong></td>
</tr>
<tr>
<td></td>
<td>Maximum relative humidity: <strong>55%</strong></td>
</tr>
<tr>
<td></td>
<td>Maximum pressure rate change: <strong>0.7 psi/min</strong></td>
</tr>
</tbody>
</table>
DuPont™ Tyvek® 1059B – Uncoated – Pouch – EO

English Units

**Package Configuration**

Chevron peel pouch

**Top Web**

DuPont™ Tyvek® 1059B
Beacon Converters® Uncoated

**Bottom Web**

Beacon Converters® A24™
92-gauge PET/2 mil PE Film

**Sterilization**

EO deep draw

Number of cycles: 1
Total time *per cycle* (excluding pre- and post-conditioning): 11 hours and 40 minutes
EO exposure time *per cycle*: 5 hours and 0 minutes
EO concentration: 610 ppm
Maximum temperature: 130°F
Maximum relative humidity: 85%
Maximum pressure rate change: 0.5 psi/min
DuPont™ Tyvek® 1059B – Uncoated – Vent bag – EO

Package Configuration

Vent bag

Top Web

DuPont™ Tyvek® 1059B
Amcor Flexibles Inc. Uncoated

Bottom Web

Amcor Flexibles Inc.
Durable Coex Film with Linear Tear Properties

Sterilization

EO shallow draw
- Number of cycles: 1
- Total time per cycle (excluding pre- and post-conditioning): 13 hours and 0 minutes
- EO exposure time per cycle: 6 hours and 0 minutes
- EO concentration: 1000 ppm
- Maximum temperature: 140°F
- Maximum relative humidity: 85%
- Maximum pressure rate change: 0.6 psi/min
DuPont™ Tyvek® 1059B – Uncoated – Pouch – EO

English Units

**Package Configuration**

Chevron peel pouch

**Top Web**

DuPont™ Tyvek® 1059B
Perfecseal® Uncoated

**Bottom Web**

Perfecflex® 35793-E
48-gauge PET/1.5 mil PE Film

**Sterilization**

EO deep draw

Number of cycles: 2

Total time *per cycle* (including pre- and post-conditioning): 20 hours and 0 minutes

EO exposure time *per cycle*: 2 hours and 0 minutes

EO concentration: 500 ppm

Maximum temperature: 145°F

Maximum relative humidity: 100%

Maximum pressure rate change: 0.65 psi/min
### DuPont™ Tyvek® 1059B – Uncoated – Pouch – EO

**English Units**

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chevron peel pouch</td>
<td>EO deep draw</td>
</tr>
<tr>
<td></td>
<td>Number of cycles: 1</td>
</tr>
<tr>
<td></td>
<td>Total time <em>per cycle</em> <em>(excluding pre- and post-conditioning):</em> 11 hours and 30 minutes</td>
</tr>
<tr>
<td></td>
<td>EO exposure time <em>per cycle</em>: 6 hours and 0 minutes</td>
</tr>
<tr>
<td></td>
<td>EO concentration: <em>&gt;560 ppm</em></td>
</tr>
<tr>
<td>Top Web</td>
<td>Maximum temperature: 140°F</td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1059B</td>
<td>Maximum relative humidity: 80%</td>
</tr>
<tr>
<td>Beacon Converters® Uncoated</td>
<td>Maximum pressure rate change: <em>1.0 psi/min</em></td>
</tr>
<tr>
<td></td>
<td>48-gauge PET/2 mil LDPE Film</td>
</tr>
</tbody>
</table>
DuPont™ Tyvek® 1073B – Coated – FFS flexible blister – EO

English Units

**Package Configuration**

FFS flexible blister

**Top Web**

DuPont™ Tyvek® 1073B
Perfecseal® SBP2000 Coated

**Bottom Web**

PerfecForm® ESE 35850-O
4 mil EVA/Surlyn®/EVA Forming Film

**Sterilization**

EO shallow draw

- Number of cycles: 1
- Total time per cycle (excluding pre- and post-conditioning): 10 hours and 8 minutes
- EO exposure time per cycle: 4 hours and 5 minutes
- EO concentration: 600 - 650 ppm
- Maximum temperature: 140°F
- Maximum relative humidity: 80%
- Maximum pressure rate change: 0.5 psi/min
DuPont™ Tyvek® 1073B – Coated – FFS rigid blister – EO

English Units

Package Configuration

FFS rigid blister

Top Web

DuPont™ Tyvek® 1073B
Perfecseal® CR27 EU Coated

Bottom Web

20 mil PETG Forming Film

Sterilization

EO deep draw

Number of cycles: 1
Total time per cycle (excluding pre- and post-conditioning): 11 hours and 30 minutes
EO exposure time per cycle: 4 hours and 0 minutes
EO concentration: 600 ppm
Maximum temperature: 115°F
Maximum relative humidity: 80%
Maximum pressure rate change: 0.5 psi/min
DuPont™ Tyvek® 1073B – Coated – FFS flexible blister – EO

**Package Configuration**

- FFS flexible blister

**Top Web**

- DuPont™ Tyvek® 1073B
- Perfecseal® CR27 EU Coated

**Bottom Web**

- Multi-layer (Nylon, EvOH, others) Forming Film

**Sterilization**

- EO shallow draw
  - Number of cycles: 1
  - Total time *per cycle* (including pre- and post-conditioning): 8 hours and 0 minutes
  - EO exposure time *per cycle*: 2 hours and 0 minutes
  - EO concentration: **590 ppm**
  - Maximum temperature: **131°F**
  - Maximum relative humidity: **80%**
  - Maximum pressure rate change: **0.5 psi/min**
**DuPont™ Tyvek® 1073B – Coated – FFS flexible blister – EO**

**English Units**

<table>
<thead>
<tr>
<th><strong>Package Configuration</strong></th>
<th><strong>Sterilization</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>FFS flexible blister</td>
<td>EO shallow draw</td>
</tr>
</tbody>
</table>

**Top Web**

- DuPont™ Tyvek® 1073B
- Oliver-Tolas® XHale® 27HT-7 Coated

**Bottom Web**

- 6 mil Surlyn®/PE Flex Forming Film

**EO shallow draw**

- Number of cycles: 2
- Total time *per cycle* (excluding pre- and post-conditioning): ~12 hours and 30 minutes
- EO exposure time *per cycle*: ~6 hours and 0 minutes
- EO concentration: 520 ppm
- Maximum temperature: 140°F
- Maximum relative humidity: ~100%
- Maximum pressure rate change: ~1.0 psi/min
**DuPont™ Tyvek® 1073B – Coated – FFS flexible blister – EO**

**English Units**

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FFS flexible blister</strong></td>
<td><strong>EO deep draw</strong></td>
</tr>
<tr>
<td><strong>Top Web</strong></td>
<td>Number of cycles: 2</td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1073B</td>
<td>Total time <em>per cycle</em> (<em>excluding</em> pre- and post-conditioning): 8-12 hours and 0 minutes</td>
</tr>
<tr>
<td>Oliver-Tolas® XHale® 10MP Coated</td>
<td>EO exposure time <em>per cycle</em>: 2 hours and 0 minutes</td>
</tr>
<tr>
<td><strong>Bottom Web</strong></td>
<td>EO concentration: 640-720 ppm</td>
</tr>
<tr>
<td>8 mil EVA/Surlyn®/EVA Forming Film</td>
<td>Maximum temperature: 126°F</td>
</tr>
<tr>
<td></td>
<td>Maximum relative humidity: 60%</td>
</tr>
<tr>
<td></td>
<td>Maximum pressure rate change: 0.8 psi/min</td>
</tr>
</tbody>
</table>
**DuPont™ Tyvek® 1073B – Coated – FFS flexible blister – EO**

**English Units**

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>FFS flexible blister</td>
<td>EO deep draw</td>
</tr>
<tr>
<td></td>
<td>Number of cycles: 1</td>
</tr>
<tr>
<td></td>
<td>Total time <em>per cycle</em> (<em>excluding</em> pre- and post-conditioning): 9 hours and 45 minutes</td>
</tr>
<tr>
<td></td>
<td>EO exposure time <em>per cycle</em>: 6 hours and 0 minutes</td>
</tr>
<tr>
<td>Top Web</td>
<td>EO concentration: 257 ppm</td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1073B</td>
<td>Maximum temperature: 122°F</td>
</tr>
<tr>
<td>Oliver-Tolas® XHale® 10MP Coated</td>
<td>Maximum relative humidity: 70%</td>
</tr>
<tr>
<td>Bottom Web</td>
<td>Maximum pressure rate change: 0.5 psi/min</td>
</tr>
<tr>
<td>20 mil PET GAG Forming Film</td>
<td></td>
</tr>
</tbody>
</table>

**Notes**

- EO deep draw
- Number of cycles: 1
- Total time *per cycle* (*excluding* pre- and post-conditioning): 9 hours and 45 minutes
- EO exposure time *per cycle*: 6 hours and 0 minutes
- EO concentration: 257 ppm
- Maximum temperature: 122°F
- Maximum relative humidity: 70%
- Maximum pressure rate change: 0.5 psi/min
**DuPont™ Tyvek® 1059B – Coated – FFS flexible blister – EO**

**English Units**

**Package Configuration**

<table>
<thead>
<tr>
<th>Top Web</th>
<th>Bottom Web</th>
</tr>
</thead>
<tbody>
<tr>
<td>FFS flexible blister</td>
<td>PPC 1325-T 8 mil Forming Film</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>EO deep draw</td>
</tr>
<tr>
<td>Number of cycles: 1</td>
</tr>
<tr>
<td>Total time <em>per cycle</em> <em>(excluding pre- and post-conditioning):</em></td>
</tr>
<tr>
<td>8 hours and 30 minutes</td>
</tr>
<tr>
<td>EO exposure time <em>per cycle</em>: 1 hours and 30 minutes</td>
</tr>
<tr>
<td>EO concentration: 69 ppm</td>
</tr>
<tr>
<td>Maximum temperature: 140°F</td>
</tr>
<tr>
<td>Maximum relative humidity: 75%</td>
</tr>
<tr>
<td>Maximum pressure rate change: 0.5 psi/min</td>
</tr>
</tbody>
</table>
DuPont™ Tyvek® 1059B – Coated – FFS flexible blister – EO

**English Units**

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>FFS flexible blister</td>
<td>EO deep draw</td>
</tr>
<tr>
<td></td>
<td>Number of cycles: 2</td>
</tr>
<tr>
<td><strong>Top Web</strong></td>
<td>Total time <em>per cycle</em> (excluding pre- and post-conditioning):</td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1059B</td>
<td>8-10 hours and 0 minutes</td>
</tr>
<tr>
<td>Amcor Flexibles Inc. Coated</td>
<td>EO exposure time <em>per cycle</em>: 2 hours and 0 minutes</td>
</tr>
<tr>
<td><strong>Bottom Web</strong></td>
<td>EO concentration: 370 ppm</td>
</tr>
<tr>
<td>PPC 1325-TLS 4 mil Forming Film</td>
<td>Maximum temperature: 130°F</td>
</tr>
<tr>
<td></td>
<td>Maximum relative humidity: 55%</td>
</tr>
<tr>
<td></td>
<td>Maximum pressure rate change: 0.7 psi/min</td>
</tr>
<tr>
<td>Package Configuration</td>
<td>Sterilization</td>
</tr>
<tr>
<td>-----------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>FFS rigid blister</td>
<td>EO shallow draw</td>
</tr>
<tr>
<td>Top Web</td>
<td>Number of cycles: 3</td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1059B</td>
<td>Total time <em>per cycle</em> (including pre- and post-conditioning): 31 hours and 0 minutes</td>
</tr>
<tr>
<td>Oliver-Tolas® XHale® NP34 Coated</td>
<td>EO exposure time <em>per cycle</em>: 13 hours and 10 minutes</td>
</tr>
<tr>
<td>Bottom Web</td>
<td>EO concentration: 1000 ppm</td>
</tr>
<tr>
<td>Pacur™ 16 mil PETG Forming Film</td>
<td>Maximum temperature: 120°F</td>
</tr>
<tr>
<td></td>
<td>Maximum relative humidity: ~88%</td>
</tr>
<tr>
<td></td>
<td>Maximum pressure rate change: 0.7 psi/min</td>
</tr>
</tbody>
</table>
DuPont™ Tyvek® 1059B – Uncoated – FFS flexible blister – EO

English Units

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>FFS flexible blister</td>
<td>EO deep draw</td>
</tr>
<tr>
<td></td>
<td>Number of cycles: 2</td>
</tr>
<tr>
<td></td>
<td>Total time per cycle (excluding pre- and post-conditioning): 18 hours and 30 minutes</td>
</tr>
<tr>
<td></td>
<td>EO exposure time per cycle: 14 hours and 42 minutes</td>
</tr>
<tr>
<td></td>
<td>EO concentration: 667 ppm</td>
</tr>
<tr>
<td></td>
<td>Maximum temperature: 125°F</td>
</tr>
<tr>
<td></td>
<td>Maximum relative humidity: 70%</td>
</tr>
<tr>
<td></td>
<td>Maximum pressure rate change: 1.2 psi/min</td>
</tr>
</tbody>
</table>

Top Web

DuPont™ Tyvek® 1059B
Rollprint Inc. Uncoated

Bottom Web

1.6 mil Nylon/2.8 mil EVA Forming Film
**Package Configuration**

FFS flexible blister

**Top Web**

DuPont™ Tyvek® 1059B
Perfecseal® Uncoated

**Bottom Web**

PerfecForm® ICE® 30655-W
6 mil Nylon Forming Film

**Sterilization**

EO deep draw

- Number of cycles: 2
- Total time *per cycle* (excluding pre- and post-conditioning): 8-12 hours and 0 minutes
- EO exposure time *per cycle*: 2 hours and 0 minutes
- EO concentration: 640-720 ppm
- Maximum temperature: 126°F
- Maximum relative humidity: 60%
- Maximum pressure rate change: 0.8 psi/min
DuPont™ Tyvek® 1059B – Uncoated – FFS flexible blister – EO

English Units

**Package Configuration**

FFS flexible blister

**Top Web**

DuPont™ Tyvek® 1059B
Perfecseal® Uncoated

**Bottom Web**

PerfecForm® ICE® 30655-EE
8 mil Nylon Forming Film

**Sterilization**

EO deep draw

Number of cycles: 2
Total time *per cycle* (excluding pre- and post-conditioning): 8-10 hours and 0 minutes
EO exposure time *per cycle*: 2 hours and 0 minutes
EO concentration: **370 ppm**
Maximum temperature: **130°F**
Maximum relative humidity: **55%**
Maximum pressure rate change: **0.7 psi/min**
DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – EO

**English Units**

**Package Configuration**

Thermoformed tray with coated lid

**Top Web**

DuPont™ Tyvek® 1073B
Perfecseal® CR27 Coated

**Bottom Web**

35 mil PETG tray

**Sterilization**

EO deep draw

Number of cycles: 1
Total time *per cycle* (*excluding* pre- and post-conditioning): 20 hours and 5 minutes
EO exposure time *per cycle*: ~5 hours and 0 minutes
EO concentration: 443-512 ppm
Maximum temperature: 135°F
Maximum relative humidity: 90%
Maximum pressure rate change: 0.5 psi/min
DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – EO

English Units

**Package Configuration**

Thermoformed tray with coated lid

**Top Web**

DuPont™ Tyvek® 1073B
Amcor Flexibles Inc. Coated

**Bottom Web**

20 mil PVC tray

**Sterilization**

EO deep draw

- Number of cycles: 1
- Total time *per cycle (excluding* pre- and post-conditioning): 8 hours and 6 minutes
- EO exposure time *per cycle*: ~4 hours and 30 minutes
- EO concentration: 760 ppm
- Maximum temperature: 120°F
- Maximum relative humidity: 75%
- Maximum pressure rate change: 0.5 psi/min
## DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – EO

### English Units

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermoformed tray with coated lid</td>
<td>EO deep draw</td>
</tr>
<tr>
<td></td>
<td>Number of cycles: 3</td>
</tr>
<tr>
<td>Top Web</td>
<td>Total time per cycle (excluding pre- and post-conditioning):</td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1073B</td>
<td>4 hours and 15 minutes</td>
</tr>
<tr>
<td>Oliver-Tolas® XHale® 18B Coated</td>
<td>EO exposure time per cycle: 0 hours and 30 minutes</td>
</tr>
<tr>
<td>Bottom Web</td>
<td>EO concentration: 720-1027 ppm</td>
</tr>
<tr>
<td>25 mil PETG tray</td>
<td>Maximum temperature: 133°F</td>
</tr>
<tr>
<td></td>
<td>Maximum relative humidity: 90%</td>
</tr>
<tr>
<td></td>
<td>Maximum pressure rate change: 9.7 psi/min</td>
</tr>
</tbody>
</table>
DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – EO

**Package Configuration**

Thermoformed tray with coated lid

**Top Web**

DuPont™ Tyvek® 1073B
Oliver-Tolas® SealScience® TPT-021C Coated

**Bottom Web**

25 mil PETG tray

**Sterilization**

EO shallow draw

- Number of cycles: 2
- Total time per cycle (excluding pre- and post-conditioning): 6 hours and 45 minutes
- EO exposure time per cycle: 4 hours and 0 minutes
- EO concentration: 550 ppm
- Maximum temperature: 130°F
- Maximum relative humidity: 75%
- Maximum pressure rate change: 0.7 psi/min
DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – EO

English Units

**Package Configuration**

Thermoformed tray with coated lid

**Top Web**

DuPont™ Tyvek® 1073B
Oliver-Tolas® XHale® 10MP Coated

**Bottom Web**

24 mil PETG tray

**Sterilization**

EO deep draw

Number of cycles: 1

Total time *per cycle* (excluding pre- and post-conditioning): 6 hours and 22 minutes

EO exposure time *per cycle*: 4-5 hours and 0 minutes

EO concentration: 888 ppm

Maximum temperature: 127°F

Maximum relative humidity: 80%

Maximum pressure rate change: 1.6 psi/min
DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – EO

**Package Configuration**

Thermoformed tray with coated lid

**Top Web**

DuPont™ Tyvek® 1073B
Perfecseal® SBP2000 EU Coated

**Bottom Web**

28 mil PETG tray

**Sterilization**

EO shallow draw

- Number of cycles: 1
- Total time *per cycle* (*excluding* pre- and post-conditioning): 9 hours and 30 minutes
- EO exposure time *per cycle*: 3 hours and 0 minutes
- EO concentration: **584 ppm**
- Maximum temperature: **113°F**
- Maximum relative humidity: **75%**
- Maximum pressure rate change: **0.6 psi/min**
**DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – EO**

**English Units**

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermoformed tray with coated lid</td>
<td>EO shallow draw</td>
</tr>
<tr>
<td><strong>Top Web</strong></td>
<td></td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1073B</td>
<td>Number of cycles: 2</td>
</tr>
<tr>
<td>Oliver-Tolas® XHale® 18B Coated</td>
<td>Total time per cycle (excluding pre- and post-conditioning): 6-9 hours and 0 minutes</td>
</tr>
<tr>
<td><strong>Bottom Web</strong></td>
<td>EO exposure time per cycle: 6-9 hours and 0 minutes</td>
</tr>
<tr>
<td>39 mil PS tray</td>
<td>EO concentration: 520 ppm</td>
</tr>
<tr>
<td></td>
<td>Maximum temperature: 140°F</td>
</tr>
<tr>
<td></td>
<td>Maximum relative humidity: 60%</td>
</tr>
<tr>
<td></td>
<td>Maximum pressure rate change: 1.5 psi/min</td>
</tr>
</tbody>
</table>
**DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – EO**

**English Units**

**Package Configuration**

Thermoformed tray with coated lid

**Top Web**

DuPont™ Tyvek® 1073B
Perfecseal® SBP2001 Coated

**Bottom Web**

30 mil HIPS tray

**Sterilization**

EO deep draw

- Number of cycles: 3
- Total time per cycle (excluding pre- and post-conditioning): 12 hours and 10 minutes
- EO exposure time per cycle: 5 hours and 30 minutes
- EO concentration: >661 ppm
- Maximum temperature: 135°F
- Maximum relative humidity: 60%
- Maximum pressure rate change: 0.7 psi/min
DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – EO

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
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<tr>
<td>Thermoformed tray with coated lid</td>
<td>EO deep draw</td>
</tr>
<tr>
<td><strong>Top Web</strong></td>
<td></td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1073B</td>
<td>Number of cycles: 1</td>
</tr>
<tr>
<td>Oliver-Tolas® XHale® 18B Coated</td>
<td>Total time per cycle (including pre- and post-conditioning): 22 hours and 0 minutes</td>
</tr>
<tr>
<td><strong>Bottom Web</strong></td>
<td>EO exposure time per cycle: ~2 hours and 0 minutes</td>
</tr>
<tr>
<td>30 mil PS tray</td>
<td>EO concentration: <strong>585 ppm</strong></td>
</tr>
<tr>
<td></td>
<td>Maximum temperature: <strong>125°F</strong></td>
</tr>
<tr>
<td></td>
<td>Maximum relative humidity: ~100%</td>
</tr>
<tr>
<td></td>
<td>Maximum pressure rate change: <strong>0.9 psi/min</strong></td>
</tr>
</tbody>
</table>
DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – EO

**Package Configuration**

Thermoformed tray with coated lid

**Top Web**

DuPont™ Tyvek® 1073B
Oliver-Tolas® SealScience® TPT-0260 Coated

**Bottom Web**

28 mil PETGAG tray

**Sterilization**

EO shallow draw

- Number of cycles: 2
- Total time *per cycle* (excluding pre- and post-conditioning): 9 hours and 30 minutes
- EO exposure time *per cycle*: 4 hours and 0 minutes
- EO concentration: >350 ppm
- Maximum temperature: 131°F
- Maximum relative humidity: 65%
- Maximum pressure rate change: 0.6 psi/min
DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – EO

**English Units**

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermoformed tray with coated lid</td>
<td>EO deep draw</td>
</tr>
<tr>
<td><strong>Top Web</strong></td>
<td></td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1073B</td>
<td>Number of cycles: 3</td>
</tr>
<tr>
<td>Oliver-Tolas® XHale® 18B Coated</td>
<td>Total time per cycle (excluding pre- and post-conditioning): ~4 hours and 30 minutes</td>
</tr>
<tr>
<td><strong>Bottom Web</strong></td>
<td>EO exposure time per cycle: 1 hours and 15 minutes</td>
</tr>
<tr>
<td>30 mil PVC tray</td>
<td>EO concentration: &gt;700 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum temperature: 131°F</td>
<td></td>
</tr>
<tr>
<td>Maximum relative humidity: 85%</td>
<td></td>
</tr>
<tr>
<td>Maximum pressure rate change: 1.5 psi/min</td>
<td></td>
</tr>
</tbody>
</table>
DuPont™ Tyvek® 1073B – Coated – Pouch – Gamma

English Units

Package Configuration

Chevron peel pouch

Top Web

DuPont™ Tyvek® 1073B
Perfecseal® CR27 Coated

Bottom Web

PerfecForm® ICE® 30652-O 4 mil Nylon Film

Sterilization

Gamma

Number of Exposures: 1
Minimum total dose of 21 kGy
Maximum total dose of 40 kGy
**DuPont™ Tyvek® 1073B – Coated – Pouch – Gamma**

**English Units**

<table>
<thead>
<tr>
<th><strong>Package Configuration</strong></th>
<th><strong>Sterilization</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Chevron peel pouch</td>
<td>Gamma</td>
</tr>
<tr>
<td></td>
<td>Number of Exposures: 1</td>
</tr>
<tr>
<td></td>
<td>Minimum total dose of 25 kGy</td>
</tr>
<tr>
<td></td>
<td>Maximum total dose of 45 kGy</td>
</tr>
</tbody>
</table>

**Top Web**

DuPont™ Tyvek® 1073B  
Perfecseal® CR27 Coated

**Bottom Web**

Perfecflex® 35791-E  
48-gauge PET/1.5 mil PE Film
DuPont™ Tyvek® 1073B – Uncoated – Pouch – Gamma

English Units

**Package Configuration**

Chevron peel pouch

**Top Web**

DuPont™ Tyvek® 1073B
Beacon Converters® Uncoated

**Bottom Web**

Beacon Converters® A20™
48-gauge PET/2 mil LDPE Film

**Sterilization**

Gamma

Number of Exposures: 2
Minimum total dose of 50 kGy
Maximum total dose of 70 kGy
DuPont™ Tyvek® 1073B – Uncoated – Pouch – Gamma

**English Units**

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chevron peel pouch</td>
<td>Gamma</td>
</tr>
<tr>
<td><strong>Top Web</strong></td>
<td>Number of Exposures: 1</td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1073B</td>
<td>Minimum total dose of 25 kGy</td>
</tr>
<tr>
<td>PeelMaster™ Uncoated</td>
<td>Maximum total dose of 40 kGy</td>
</tr>
<tr>
<td><strong>Bottom Web</strong></td>
<td></td>
</tr>
<tr>
<td>PeelMaster™</td>
<td></td>
</tr>
<tr>
<td>48-gauge PET/2 mil LDPE Film</td>
<td></td>
</tr>
</tbody>
</table>
DuPont™ Tyvek® 1073B – Uncoated – Pouch – Gamma

English Units

Package Configuration

Chevron peel pouch

Top Web

DuPont™ Tyvek® 1073B
Mangar Industries Uncoated

Bottom Web

100-gauge Biax Nylon/2 mil PE Film

Sterilization

Gamma

Number of Exposures: 1
Minimum total dose of 25 kGy
Maximum total dose of 40 kGy
## DuPont™ Tyvek® 1073B – Coated – FFS flexible blister – Gamma

**English Units**

### Package Configuration

| FFS flexible blister |

### Top Web

| DuPont™ Tyvek® 1073B  
| Perfecseal® SBP2000 Coated |

### Bottom Web

| PerfecForm® ESE 35850-MM  
| 10 mil EVA/Surlyn®/EVA Forming Film |

### Sterilization

| Gamma |

- Number of Exposures: 1
- Minimum total dose of 25 kGy
- Maximum total dose of 40 kGy
**DuPont™ Tyvek® 1073B – Coated – FFS flexible blister – Gamma**

**English Units**

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>FFS flexible blister</td>
<td>Gamma</td>
</tr>
<tr>
<td></td>
<td>Number of Exposures: 2</td>
</tr>
<tr>
<td></td>
<td>Minimum total dose of 95 kGy</td>
</tr>
<tr>
<td></td>
<td>Maximum total dose of 110 kGy</td>
</tr>
</tbody>
</table>

**Top Web**

DuPont™ Tyvek® 1073B
Perfecseal® SBP2000 Coated

**Bottom Web**

PerfecForm® ESE 35850-O
4 mil EVA/Surlyn®/EVA Forming Film
### Package Configuration

<table>
<thead>
<tr>
<th>Top Web</th>
</tr>
</thead>
<tbody>
<tr>
<td>DuPont™ Tyvek® 1073B</td>
</tr>
<tr>
<td>Perfecseal® CR27 Coated</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bottom Web</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amcor Flexibles Inc.</td>
</tr>
<tr>
<td>12 mil EVA/Ionomer/EVA Forming Film</td>
</tr>
</tbody>
</table>

### Sterilization

- **Sterilization Method:** Gamma
- **Number of Exposures:** 2
- **Minimum total dose of** 55 kGy
- **Maximum total dose of** 70 kGy
## DuPont™ Tyvek® 1059B – Coated – FFS flexible blister – Gamma

### English Units

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>FFS flexible blister</td>
<td>Gamma</td>
</tr>
<tr>
<td></td>
<td>Number of Exposures: 1</td>
</tr>
<tr>
<td></td>
<td>Minimum total dose of 25 kGy</td>
</tr>
<tr>
<td></td>
<td>Maximum total dose of 40 kGy</td>
</tr>
</tbody>
</table>

### Top Web

DuPont™ Tyvek® 1059B
Perfecseal® SBP2000 Coated

### Bottom Web

Amcor Flexibles Inc.
10 mil Coex Metallocene Forming Film
**DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – Gamma**

**English Units**

**Package Configuration**

<table>
<thead>
<tr>
<th>Top Web</th>
<th>Bottom Web</th>
</tr>
</thead>
</table>
| DuPont™ Tyvek® 1073B  
Oliver-Tolas® XHale® 10MP Coated | 32 mil PETG tray |

**Sterilization**

- **Gamma**
  - Number of Exposures: 2
  - Minimum total dose of 54 kGy
  - Maximum total dose of 72 kGy
## DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – Gamma

### English Units

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermoformed tray with coated lid</td>
<td>Gamma</td>
</tr>
<tr>
<td>Top Web</td>
<td>Number of Exposures: <strong>1</strong></td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1073B</td>
<td>Minimum total dose of <strong>25 kGy</strong></td>
</tr>
<tr>
<td>Perfecseal® CR27 Coated</td>
<td>Maximum total dose of <strong>45 kGy</strong></td>
</tr>
<tr>
<td>Bottom Web</td>
<td></td>
</tr>
<tr>
<td>50 mil PETG tray</td>
<td></td>
</tr>
</tbody>
</table>
DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – Gamma

**English Units**

**Package Configuration**
Thermoformed tray with coated lid

**Top Web**
DuPont™ Tyvek® 1073B
Amcor Flexibles Inc. Coated

**Bottom Web**
40 mil PETG tray

**Sterilization**
Gamma
- Number of Exposures: 2
- Minimum total dose of 50 kGy
- Maximum total dose of 80 kGy
**DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – Gamma**

English Units

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermoformed tray with coated lid</td>
<td>Gamma</td>
</tr>
<tr>
<td><strong>Top Web</strong></td>
<td>Number of Exposures: 1</td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1073B</td>
<td>Minimum total dose of 21 kGy</td>
</tr>
<tr>
<td>Amcor Flexibles Inc. Coated</td>
<td>Maximum total dose of 40 kGy</td>
</tr>
<tr>
<td><strong>Bottom Web</strong></td>
<td></td>
</tr>
<tr>
<td>20 mil PETG tray</td>
<td></td>
</tr>
</tbody>
</table>
DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – Gamma

English Units

**Package Configuration**

Thermoformed tray with coated lid

**Top Web**

DuPont™ Tyvek® 1073B
Perfecseal® HCW CR27 Coated

**Bottom Web**

40 mil PETG tray

**Sterilization**

Gamma

Number of Exposures: 1
Minimum total dose of 25 kGy
Maximum total dose of 40 kGy
DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – Gamma

**Package Configuration**

Thermoformed tray with coated lid

**Top Web**

DuPont™ Tyvek® 1073B
Perfecseal® HCW CR27 Coated

**Bottom Web**

40 mil PETG tray

**Sterilization**

Gamma

Number of Exposures: **Cumulative**
Minimum total dose of **100 kGy**
Maximum total dose of **133 kGy**
DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – Gamma

English Units

**Package Configuration**

Thermoformed tray with coated lid

**Top Web**

DuPont™ Tyvek® 1073B
Oliver-Tolas® XHale® 18B Coated

**Bottom Web**

25 mil PETG tray

**Sterilization**

Gamma

Number of Exposures: 1
Minimum total dose of 50 kGy
Maximum total dose of 80 kGy
DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – Gamma

### English Units

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermoformed tray with coated lid</td>
<td>Gamma</td>
</tr>
<tr>
<td><strong>Top Web</strong></td>
<td>Number of Exposures: 1</td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1073B</td>
<td>Minimum total dose of 43 kGy</td>
</tr>
<tr>
<td>Oliver-Tolas® SealScience® TPT-0260 Coated</td>
<td>Maximum total dose of 55 kGy</td>
</tr>
<tr>
<td><strong>Bottom Web</strong></td>
<td></td>
</tr>
<tr>
<td>25 mil PETG tray</td>
<td></td>
</tr>
</tbody>
</table>
DuPont™ Tyvek® 1073B – Uncoated – Pouch – Electron-beam

English Units

**Package Configuration**

Chevron peel pouch

**Top Web**

DuPont™ Tyvek® 1073B
Beacon Converters® Uncoated

**Bottom Web**

Beacon Converters® A23™
92-gauge PET/2 mil LDPE Film

**Sterilization**

Electron-beam

Number of Exposures: 1
Minimum total dose of 28 kGy
Maximum total dose of 42 kGy
**DuPont™ Tyvek® 1073B – Uncoated – Pouch – Electron-beam**

**English Units**

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chevron peel pouch</td>
<td>Electron-beam</td>
</tr>
<tr>
<td></td>
<td>Number of Exposures: 1</td>
</tr>
<tr>
<td></td>
<td>Minimum total dose of <strong>25 kGy</strong></td>
</tr>
<tr>
<td></td>
<td>Maximum total dose of <strong>65 kGy</strong></td>
</tr>
</tbody>
</table>

**Top Web**

DuPont™ Tyvek® 1073B  
Mangar Industries Uncoated

**Bottom Web**

100-gauge Biax Nylon/2 mil PE Film
**DuPont™ Tyvek® 1073B – Coated – FFS rigid blister – Electron-beam**

**English Units**

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>FFS rigid blister</td>
<td>Electron-beam</td>
</tr>
<tr>
<td><strong>Top Web</strong></td>
<td></td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1073B</td>
<td>Number of Exposures: 1</td>
</tr>
<tr>
<td>Oliver-Tolas® XHale® 18B Coated</td>
<td>Minimum total dose of 26 kGy</td>
</tr>
<tr>
<td><strong>Bottom Web</strong></td>
<td>Maximum total dose of 50 kGy</td>
</tr>
<tr>
<td>40 mil HIPS Forming Film</td>
<td></td>
</tr>
</tbody>
</table>
**DUPONT MEDICAL PACKAGING TRANSITION PROJECT**

**DuPont™ Tyvek® 1073B – Coated – FFS flexible blister – Electron-beam**

**English Units**

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>FFS flexible blister</td>
<td>Electron-beam</td>
</tr>
<tr>
<td><strong>Top Web</strong></td>
<td>Number of Exposures: 1</td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1073B</td>
<td>Minimum total dose of 18 kGy</td>
</tr>
<tr>
<td>Perfecseal® CR27 Coated</td>
<td>Maximum total dose of 45 kGy</td>
</tr>
<tr>
<td><strong>Bottom Web</strong></td>
<td></td>
</tr>
<tr>
<td>Amcor Flexibles Inc.</td>
<td></td>
</tr>
<tr>
<td>10 mil Ionomer/ULDPE/EVA Forming Film</td>
<td></td>
</tr>
</tbody>
</table>
DuPont™ Tyvek® 1059B – Coated – FFS flexible blister – Electron-beam

English Units

**Package Configuration**

FFS flexible blister

**Top Web**

DuPont™ Tyvek® 1059B
Perfecseal® SBP2000 Coated

**Bottom Web**

Amcor Flexibles Inc.
10 mil Coex Metallocene Forming Film

**Sterilization**

Electron-beam

Number of Exposures: 1
Minimum total dose of 21 kGy
Maximum total dose of 51 kGy
**DuPont™ Tyvek® 1073B – Uncoated – Weld seal bag – Steam**

**English Units**

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weld seal bag</td>
<td>Steam</td>
</tr>
</tbody>
</table>

**Top Web**

- DuPont™ Tyvek® 1073B
- Oliver-Tolas® Uncoated

**Bottom Web**

- Oliver-Tolas® TPF-0545A
- 3 mil HDPE Film

**Number of cycles:** 1

**Total time per cycle:** 2 hours and 0 minutes

**Steam exposure time per cycle:** ~0 hours and 30 minutes

**Maximum temperature:** ~253°F

**Maximum pressure:** 18 psia
DuPont™ Tyvek® 1073B – Uncoated – Pouch – Steam

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chevron peel pouch</td>
<td>Steam</td>
</tr>
<tr>
<td></td>
<td>Number of cycles: 1</td>
</tr>
<tr>
<td></td>
<td>Total time per cycle: 2 hours</td>
</tr>
<tr>
<td>Top Web</td>
<td>and 0 minutes</td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1073B</td>
<td>Steam exposure time per cycle:</td>
</tr>
<tr>
<td>Oliver-Tolas® Uncoated</td>
<td>~0 hours and 30 minutes</td>
</tr>
<tr>
<td></td>
<td>Maximum temperature: ~253°F</td>
</tr>
<tr>
<td>Bottom Web</td>
<td>Maximum pressure: 18 psia</td>
</tr>
<tr>
<td>Oliver-Tolas® TPF-0563B</td>
<td></td>
</tr>
<tr>
<td>48-gauge PET/2 mil Polyolefin Peelable</td>
<td></td>
</tr>
<tr>
<td>Sealant Film</td>
<td></td>
</tr>
</tbody>
</table>
DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – Steam

**Package Configuration**

Thermoformed tray with coated lid

**Top Web**

DuPont™ Tyvek® 1073B
Oliver-Tolas® Osurance® Zone Coated

**Bottom Web**

20 mil PC tray

**Sterilization**

Steam

- Number of cycles: 3
- Total time *per cycle*: 3 hours and 0 minutes
- Steam exposure time *per cycle*: ~0 hours and 45 minutes
- Maximum temperature: ~257°F
- Maximum pressure: ~34 psia
DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – Steam

**Package Configuration**

Thermoformed tray with coated lid

**Top Web**

DuPont™ Tyvek® 1073B
Oliver-Tolas® XHale® 24AL Coated

**Bottom Web**

25 mil PC tray

**Sterilization**

Steam

Number of cycles: 1
Total time *per cycle*: 1 hours and 30 minutes
Steam exposure time *per cycle*: 0 hours and 30 minutes
Maximum temperature: 252°F
Maximum pressure: 32 psia
**DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – Steam**

**English Units**

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermoformed tray with coated lid</td>
<td>Steam</td>
</tr>
<tr>
<td><strong>Top Web</strong></td>
<td>Number of cycles: 3</td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1073B</td>
<td>Total time <em>per cycle</em>: ~2 hours and 1 minutes</td>
</tr>
<tr>
<td>Oliver-Tolas® Osurance® 24AL Coated</td>
<td>Steam exposure time <em>per cycle</em>: ~0 hours and 46 minutes</td>
</tr>
<tr>
<td><strong>Bottom Web</strong></td>
<td>Maximum temperature: ~253°F</td>
</tr>
<tr>
<td>30 mil PC tray</td>
<td>Maximum pressure: 32 psia</td>
</tr>
</tbody>
</table>
DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – Dry Heat

English Units

**Package Configuration**

Thermoformed tray with coated lid

**Top Web**

DuPont™ Tyvek® 1073B
Oliver-Tolas® Osurance® Zone Coated

**Bottom Web**

30 mil PC tray

**Sterilization**

Dry Heat

Number of cycles: 1
Total time *per cycle*: 36 hours and 0 minutes
Dry Heat exposure time *per cycle*: 34 hours and 0 minutes
Maximum temperature: 251°F
DuPont™ Tyvek® 1073B – Coated – Pouch – Low Temperature Oxidative

**English Units**

<table>
<thead>
<tr>
<th>Package Configuration</th>
<th>Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chevron peel pouch</td>
<td>Low temperature oxidative sterilization ($\text{H}_2\text{O}_2$)</td>
</tr>
<tr>
<td><strong>Top Web</strong></td>
<td>Number of cycles: 2</td>
</tr>
<tr>
<td>DuPont™ Tyvek® 1073B</td>
<td>Total time <em>per cycle</em>: ~3 hours and 10 minutes</td>
</tr>
<tr>
<td>Perfecseal® CR27 EU Coated</td>
<td>$\text{H}_2\text{O}_2$ exposure time <em>per cycle</em>: ~1 hours and 2 minutes</td>
</tr>
<tr>
<td><strong>Bottom Web</strong></td>
<td>Sterilant concentration: 59%</td>
</tr>
<tr>
<td>0.5 mil PET/2.0 mil PE Film</td>
<td>Maximum temperature: ~149°F</td>
</tr>
</tbody>
</table>
DuPont™ Tyvek® 1073B – Coated – Thermoformed tray – Low Temperature Oxidative Sterilization

**Package Configuration**

- Thermoformed tray with coated lid

**Top Web**

- DuPont™ Tyvek® 1073B
- Perfecseal® HCW CR27 Coated

**Bottom Web**

- 40 mil PETG tray

**Sterilization**

- Low temperature oxidative sterilization ($\text{C}_2\text{H}_4\text{O}_3$)
  - Number of cycles: 2
  - Total time per cycle: ~3 hours and 15 minutes
  - $\text{C}_2\text{H}_4\text{O}_3$ exposure time per cycle: ~2 hours and 0 minutes
  - Sterilant concentration: 5%
  - Maximum temperature: 131°F