**PRODUCT SELECTOR GUIDE**

**Co-fired Dielectric Tape Set**

<table>
<thead>
<tr>
<th>Tape Product</th>
<th>Green Sheet Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>9K7V</td>
<td>5.0 mils, (127 µm)</td>
</tr>
<tr>
<td>9K7X</td>
<td>10.0 mils (254 µm)</td>
</tr>
</tbody>
</table>

**Co-fired Material Sets**

<table>
<thead>
<tr>
<th>Application</th>
<th>Gold System</th>
<th>Silver System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Via fill</td>
<td>LL502 Au</td>
<td>LL601 Ag</td>
</tr>
<tr>
<td>Internal signal line</td>
<td>LL505 Au&lt;sup&gt;1&lt;/sup&gt;</td>
<td>LL612 Ag</td>
</tr>
<tr>
<td>Internal ground plane</td>
<td>LL505 Au&lt;sup&gt;1&lt;/sup&gt;</td>
<td>LL602 Ag</td>
</tr>
<tr>
<td>External signal line</td>
<td>LL507 Au&lt;sup&gt;2&lt;/sup&gt;</td>
<td>LL617 AgPd, LL612 Ag</td>
</tr>
<tr>
<td>External ground plane</td>
<td>LL507 Au&lt;sup&gt;2&lt;/sup&gt;</td>
<td>LL617 AgPd, LL602 Ag</td>
</tr>
<tr>
<td>Wire bondable - 1 mil; internal transition to cavity ledge</td>
<td>LL505 Au&lt;sup&gt;1&lt;/sup&gt;</td>
<td>–</td>
</tr>
<tr>
<td>Wire bondable - 1 &amp; 2 mil Au</td>
<td>LL507 Au&lt;sup&gt;2&lt;/sup&gt;</td>
<td>–</td>
</tr>
<tr>
<td>Solderable conductor, multiple firings</td>
<td>LL509 AuPt</td>
<td>–</td>
</tr>
<tr>
<td>Solderable conductor, co-fire only</td>
<td>–</td>
<td>LL617 AgPd&lt;sup&gt;3&lt;/sup&gt;</td>
</tr>
<tr>
<td>Buried resistor</td>
<td>–</td>
<td>HFB12 (20 Ohm), HFB22 (200 Ohm)</td>
</tr>
</tbody>
</table>

1. LL505 Au<sup>1</sup>: for internal or internal transition to external wire bond shelf use only. Not designed to be used externally in large area signal line and ground plan applications.
2. LL507 Au<sup>2</sup>: for external use only.
3. LL617 AgPd<sup>3</sup>: co-fire only applications. Applications requiring multiple 80°C firings should use 6277 AgPd or 7484 AgPd in a post fired conductor format.

**Post Fired Material Sets**

<table>
<thead>
<tr>
<th>Application</th>
<th>Gold System</th>
<th>Silver System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solderable conductor</td>
<td>4597 AuPtPd</td>
<td>6277 AgPd, 7484 AgPd</td>
</tr>
<tr>
<td>Braze adhesion layer</td>
<td>5062D Au</td>
<td>5081 AgPt</td>
</tr>
<tr>
<td>Braze barrier layer</td>
<td>5063D Au</td>
<td>5082 AgPt</td>
</tr>
<tr>
<td>Braze solder alloy</td>
<td>5087</td>
<td>5087</td>
</tr>
</tbody>
</table>

1. LL505 Au<sup>1</sup>: for internal or internal transition to external wire bond shelf use only. Not designed to be used externally in large area signal line and ground plan applications.
2. LL507 Au<sup>2</sup>: for external use only.
3. LL617 AgPd<sup>3</sup>: co-fire only applications. Applications requiring multiple 80°C firings should use 6277 AgPd or 7484 AgPd in a post fired conductor format.

Note: This Selector Guide represents a small cross-section of the DuPont™ GreenTape™ product line. For more information on products not listed here, please contact your local DuPont Sales Representative.

**Please note:** Not all products are available in all regions. Contact us to discuss your specific needs.
DUPONT™ GREENTAPE™ 9K7
LOW TEMPERATURE CO-FIRED CERAMIC SYSTEM

FOR MORE INFORMATION ON DUPONT™ GREENTAPE™ 9K7 OR OTHER DUPONT MICROCIRCUIT MATERIALS,
PLEASE CONTACT YOUR LOCAL REPRESENTATIVE:

Americas
DuPont Microcircuit Materials
14 TW Alexander Drive
Research Triangle Park, NC 27709
USA
Tel +1 800 284 3382 (calls within USA)
Tel +1 919 248 5188 (calls outside USA)

Europe, Middle East & Africa
Du Pont (UK) Ltd
Coldharbour Lane
Bristol BS16 1QD
UK
Tel +44 117 931 3191

Asia
Du Pont Kubushiki Kaisha
MCM Technical Lab
DuPont Electronics Center
KSP R&D B213, 2-1, Sakado 3-chome, Takatsu-ku,
Kawasaki-shi, Kanagawa, 213-0012
Japan
Tel +81 44 820 7575
DuPont Taiwan Ltd
45, Hsing-Pont Road
Taiyuan, 330
Taiwan
Tel +886 3 377 3616
DuPont China Holding Company Ltd
Bldg. 11, 399 Keyuan Road
Zhangjiang Hi-Tech Park
Pudong New District
Shanghai 201203
Tel +86 21 3862 2888

DuPont Korea Inc.
3-5th Floor, Asia tower #726
Yeoksam-dong, Gangnam-gu
Seoul 135-719, Korea
Tel +82 2 2222 5275

E.I. DuPont India Private Limited
7th Floor, Tower C, DLF Cyber Greens
Sector-25A, DLF City, Phase-III
Gurgaon 122 002 Haryana, India
Tel +91 124 409 1818

Du Pont Company (Singapore) Pte Ltd
1 HarbourFront Place, #11-01
HarbourFront Tower One
Singapore 098633
Tel +65 6586 3022

mcm.dupont.com