More Protection, Less Material

DuPont™ Kevlar® XP™ is the newest innovation from DuPont. It can help create NIJ III A vest designs that provide superior ballistic performance and reduce backface deformations by approximately 15% or more.*

The unique architecture of Kevlar® XP™ S103 with +45°/-45° of 2-layer of fiber lay-up also provides better stopping power with less material—reducing labor and material costs compared to current designs. Kevlar® XP™ features patented new woven fabric technology that helps enable vests to weigh at least 10% less than those made with other commercially available technologies. This helps create a vest that is comfortable for the user.

Proper Use

- To achieve optimal performance, place the layers in the same direction.
- Sheets must be converted into vests, which are suitable for the intended end-use of a soft body armor pack.
- It is the responsibility of the vest manufacturer to design suitable products and obtain the relevant certifications before releasing vests to end-users.

Proper Handling

- Avoid tearing and crushing the product.
- When transporting sheets, follow proper handling procedures in accordance with package weight.

Proper Storage

- Store in dry temperature area, avoiding storage conditions exceeding 66 °C (150 °F) and avoid direct sun and UV light exposure.
- Keep product covered with black impermeable plastic.

Technical Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width, mm</td>
<td>1610 ± 10</td>
<td>Internal</td>
</tr>
<tr>
<td>Thickness, mm</td>
<td>0.46 ± 0.03</td>
<td>Internal</td>
</tr>
<tr>
<td>Length, m</td>
<td>100</td>
<td>—</td>
</tr>
<tr>
<td>Areal Density, g/m²</td>
<td>510.0 ± 20</td>
<td>ISO 3801</td>
</tr>
</tbody>
</table>

*Compared to other commercially available lightweight technologies for NIJ III A against .44 Magnum bullets.

Visit kevlar.com to learn more.