Body armor made with bio-based Dyneema® fiber.

No compromises on protection and sustainability.

3 reasons to choose body armor with bio-based Dyneema® fiber.

- **Protection**: Soft armor with Dyneema® offers wearer protection against a range of threats including handgun ammunition, fast-moving fragments, and knives.

- **Lightweight**: Body armor with Dyneema® provides the lightest option with maximum protection, flexibility and comfort. Dyneema® vests are proven to last.

- **Sustainable**: A soft armor vest made with bio-based Dyneema® has a carbon footprint that’s 50% to 80% lower than competing alternative products.

Carbon Footprint Comparison: Dyneema® outperforms all competing alternatives.

<table>
<thead>
<tr>
<th>Vest made with:</th>
<th>Generic HMPE UD</th>
<th>Aramid</th>
<th>Dyneema® UD</th>
<th>Bio-based Dyneema® UD</th>
</tr>
</thead>
<tbody>
<tr>
<td>70,000 kg</td>
<td>40,000 kg</td>
<td>23,000 kg</td>
<td>15,000 kg</td>
<td></td>
</tr>
</tbody>
</table>

The numbers shown in the chart are based on 1,000 vests.

Carbon footprint reduction.

- 1,000 vests made with bio-based Dyneema® UD reduces 8 smartphones charged (Conventional Dyneema® UD) to 1.02 M tree seedlings grown for 10 years.

- 25 vests made with Aramid reduces 3.06 M tree seedlings grown for 10 years.

- 55 vests made with Generic HMPE UD reduces 7.01 M tree seedlings grown for 10 years.

From the trees to bio-based Dyneema®, the mass balance approach explained.

DSM has taken the next major step in its sustainability journey by introducing the first ever bio-based ultra-high molecular weight polyethylene fiber (branded as Dyneema®) and further reducing its reliance on fossil fuel based resources. Ethylene is the primary raw material used to manufacture Dyneema® fibers, and is the feedstock that will be transitioned from conventional to a renewable source via mass balancing.

For more information go to www.dyneema.com/biobased.