

Tensylon™ HSBD 40A

Technical data sheet

DuPont™ Tensylon™ HSBD-40A for hard armor

Tensylon™ HSBD-40A is a 4-ply, high-strength, tape-reinforced, bi-directional laminate for hard-armor applications.

It offers a unique balance of ballistic and mechanical properties to armor solutions, characteristic of the Tensylon™ tape-reinforced armor materials. It also provides facilitated processing characteristics and a broad processing window. This allows manufacturing of high-performance, large-size and complex-shaped ballistic protective articles.

Tensylon™ HSBD-40A is particularly suited for vehicle-liner, ceramic backing, shield, helmet and other hard-armor applications where the mechanical characteristics of the product contribute to the overall performance of the end product.

Proper use

- To achieve optimal performance, stack the layers in the same direction.
- Consult our processing recommendations for proper panel consolidation.
- It is the responsibility of the armor manufacturer to design suitable products and obtain the relevant certifications before releasing end products using Tensylon™ HSBD-40A to end users.

Proper handling

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

Proper storage

- Store in dry area, avoiding storage conditions exceeding 60°C (140°F) and avoid direct sun and UV light exposure.
- Keep product covered with black impermeable plastic.

Construction

- Adhesive-coated, cross-ply, tape-reinforced, 4-ply composite sheets, sold in rolls.



Property	Technical data
Width, cm	160
Length, m	100
Areal density, g/m ²	215

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