DUPONT Tensylon®

DUPONT™ 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 that is characteristic of Tensylon® tape-reinforced armor materials. Tensylon® HSBD-40A also has processing characteristics and a broad processing window that facilitate the manufacture 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 material contribute to the overall performance of the end product.

Proper use

- Stack layers in the same direction to achieve optimal performance.
- Consult DuPont's 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.
- Ensure that the correct handling procedure is followed in accordance with package weight when rolls are being transported.

Proper storage

- Store in dry temperate area avoiding storage conditions exceeding 60°C (140°F) and avoiding direct exposure to sun or UV light.
- Cover the product with black impermeable plastic.

Construction

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

Technical data

Property	Nominal value
Roll width, cm	160
Roll length, m	100
Areal density, g/m2	215

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