

Arclin® Kevlar® XD S002

TECHNICAL DATA SHEET

MORE PROTECTION WITH FEWER LAYERS

- Arclin® Kevlar® XD S002 is a Kevlar® uni-directional product with superior performance than typical Aramid UD 4-ply in the market. It offers advanced protection for regular ballistic threats and it can be considered when conceiving lighter, more affordable or higher performing vests.
- Kevlar® XD S002 delivers superior performance and it can be combined with other materials with reduced number of layers-resulting in the superior balance of light-weight, high performance and lower cost soft ballistic solutions.
- The product construction is as follows: Uni-directional composite sheets cross-plied 0°/90°/0°/90° and sold in rolls.
- Kevlar® XD S002 has been tested in accordance with NIJ06 tumbling protocol.

PROPER USE

- Stack layers in the same direction and orientation to achieve optimal performance.
- It is the responsibility of the armor manufacturer to design suitable products and obtain the relevant certifications before releasing end products using Kevlar® XD S002 to end users.
- Do not use bleach or products containing bleach to clean Kevlar® XD S002.

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.



TECHNICAL DATA	
PROPERTY	NOMINAL AIM
Width, (cm)	160
Length, (m)	150
Areal density* (g/m²)	236

* Conditioned Weight, 20°C / 65 RH (ASTM D1776)

Visit kevlar.com to learn more

Product safety information is available upon request. This information is provided in good faith as technical guidance based on our current product knowledge and may be updated as new information becomes available. It is for experimental purposes only and does not replace independent testing to determine suitability for varied applications. Arclin is unable to anticipate all manufacturing, processing, handling, application or end-use conditions and therefore MAKES NO EXPRESS OR IMPLIED REPRESENTATIONS OR WARRANTIES AND ASSUMES NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION. Nothing herein shall be construed as a license or recommendation to infringe any patent or other intellectual property rights.

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