

ARCLIN

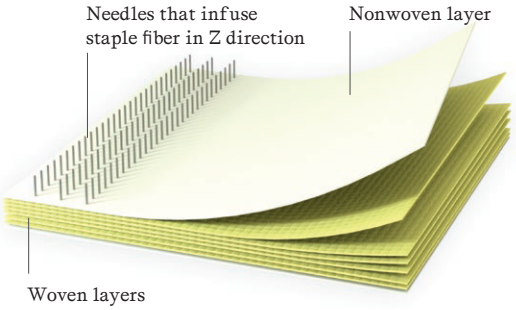
Hybrid Ballistic Fabrics Made with CoreMatrix™ Technology

CoreMatrix

TECHNICAL DATA SHEET

COREMATRIX™ TECHNOLOGY ENABLES GREATER BALLISTIC PROTECTION AND COMFORT

Arclin® CoreMatrix™ Technology uses patented needle punching technology to infuse fiber in the Z direction, combining numerous woven layers with a nonwoven batting to create a hybrid ballistic fabric solution. Arclin fiber technology with CoreMatrix™ Technology provides superior ballistic performance against diverse threats without sacrificing comfort and flexibility.



Globally patented CoreMatrix™ Technology is available exclusively from Arclin®.

PORTFOLIO OF HYBRID BALLISTIC FABRIC SOLUTIONS

	WEIGHT	USABLE WIDTH	THICKNESS
CM K530G	15.90 oz/yd² | 539 g/m²	160 cm. | 63 in.	1.8 mm. | 0.07 in.
CM K840G	25.06 oz/yd² | 849 g/m²	160 cm. | 63 in.	2.3 mm. | 0.09 in.
CM K1320G	39.07 oz/yd² | 1324 g/m²	160 cm. | 63 in.	3.1 mm | 0.12 in.

EASE OF MANUFACTURING

The use of CoreMatrix™ Technology in hybrid package designs mitigates complex stitch architecture, significantly reducing solution build times, which results in lower manufacturing and labor costs.

PROPER STORAGE AND HANDLING

- Avoid tearing and crushing the product
- Do not use bleach or products containing bleach to clean CoreMatrix™ Technology
- Store in dry temperate area avoiding storage conditions exceeding 66°C (150°F) and avoiding direct exposure to sun or UV light
- Cover the product with black impermeable plastic

PROPER USE

- Hybrid fabric solutions made with CoreMatrix™ Technology are intended for soft body armor packs. They are suitable for use in ballistic vests or other ballistic applications, such as ballistic combat shirts, ballistic pelvic protectors and bomb suits.
- It is the responsibility of the body armor manufacturer to design suitable end products and to obtain the relevant certifications before releasing them to end users.

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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