

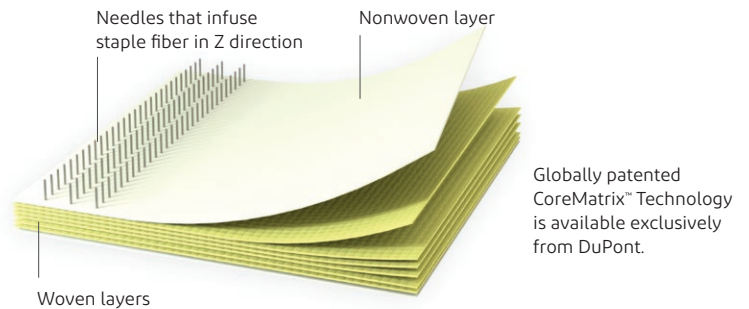
Hybrid ballistic fabrics made with CoreMatrix™ Technology

Technical data sheet



CoreMatrix™ Technology enables greater ballistic protection and comfort

DuPont™ 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. DuPont fiber technology with CoreMatrix™ Technology provides superior ballistic performance against diverse threats without sacrificing comfort and flexibility.



Portfolio of hybrid ballistic fabric solutions

	Weight	Usable width	Thickness
CM K530G	15.90 oz/yd ² 539 g/m ²	160 cm. 63 in.	1.8 mm. 0.07 in.
CM K840G	25.06 oz/yd ² 849 g/m ²	160 cm. 63 in.	2.3 mm. 0.09 in.
CM K1320G	39.07 oz/yd ² 1324 g/m ²	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 corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentations. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions, DUPONT MAKES NO WARRANTIES AND ASSUMES NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION. Nothing in this publication is to be considered to be a license to operate under or a recommendation to infringe any patent right.

© 2021 DuPont. All rights reserved. DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, SM or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted. (11/21)