

DUPONT™ KEVLAR® XP™ S104 PRODUCT SPECIFICATION



More Protection, Less Material and Water Repellent

DuPont™ Kevlar® XP™ S104 offers the possibility to design a variety of soft body armor solutions including solutions where water resistance is required. Customers who need water repellent treated products to meet wet testing requirements can now do so with this innovation from DuPont. This product meets spray and water absorption ISO, NIJ and STANAG pre-conditioning test requirements. In addition, Kevlar® XP™ S104 builds on the XP family of products, delivering reduced back face signature, strong ballistic performance, and the possibility to design soft body armor with a reduced number of layers resulting in a lighter weight soft ballistic design, which are characteristics of the Kevlar® XP™ family of products.

Proper Use

- To achieve optimal performance, place the layers in the same direction.
- Sheets must be converted into vests, which are suitable for the intended end-use of a soft body armor pack.
- It is the responsibility of the vest manufacturer to design suitable products and obtain the relevant certifications before releasing vests to end-users.

Proper Handling

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

Proper Storage

- Store in dry temperature area, avoiding storage conditions exceeding 66 °C (150 °F) and avoid direct sun and UV light exposure.
- Keep product covered with black impermeable plastic.

Technical Data

Property	Specification	Test Method
Width, mm	1610 ± 10	Internal
Thickness, mm	0.55 ± 0.03	ASTM D1777-96
Length, m	100	—
Areal Density, g/m ²	570.0 ± 20	ISO 3801
Spray Test	4 ± 1	ISO 4920

Visit kevlar.com to learn more.

*The information provided herein corresponds to our knowledge on the subject at the date of publication of this data sheet. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated: these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits nor used alone as the basis of design: they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since DuPont 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 as a license to operate under, or a recommendation to infringe, any trademark patent rights.*

Caution: Do not use this product in medical applications involving permanent implantation in the human body. For other medical applications see "DuPont Medical Caution Statement."

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