

DuPont™ Kevlar® Prepreg 258HPP

DuPont™ Kevlar® Prepreg 258HPA

Protection against a range of threats

DuPont™ Kevlar® Prepreg 258HPP and 258HPA will provide protection against non-deformable projectiles (fragments), deformable projectiles (bullets), and blunt impact. These materials, comprised of high-tenacity DuPont™ Kevlar® K129 fibres and a phenolic based resin, will provide protection in the toughest environments. They are particularly suited for helmet, vehicle armour and ceramic backing applications and will provide comparative levels of protection.

Choice of product

DuPont™ Kevlar® Prepreg 258HPP and 258HPA differ mainly in their respective width and curing characteristics. Kevlar® Prepreg 258HPA is wider, which potentially could result in a cost gain by reducing waste obtained from pattern cutting. Kevlar® Prepreg 258HPA is also more reactive which potentially could result in a cost gain by reducing processing times/part.

DuPont™ Kevlar® prepreg material	Processing recommendations					
	Width	Thickness	Weight (dry)	Temperature	Pressure	Time (@165°C)
258HPP	100cm	0.4mm	450 g/m ²	165°C-175°C	10-100 bar	20 min
258HPA	130cm	0.4mm	450 g/m ²	160°C-170°C	10-100 bar	15 min

Storage

DuPont™ Kevlar® Prepreg 258HPP and DuPont™ Kevlar® Prepreg 258HPA must be stored protected from light, dust, water or other contaminants before processing. Its shelf-life at room temperature is 6 weeks, and 3 months in refrigerated conditions.



Kevlar.

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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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L-14580