Data Sheet
UDMAX™ GPP 45-70 TAPE (0.25 mm)

DESCRIPTION

UDMAX™ GPP 45-70 TAPE is a UD glass reinforced, polypropylene based, composite material, produced using UDMAX™ 's proprietary HPFIT™ technology, delivering optimal fiber spreading and a resin-rich surface layer at high fiber contents. UDMAX™ GPP 45-70 TAPE offers a combination of high strength and stiffness, which can result in weight reduction and overall customer product performance improvement. UDMAX™ GPP 45-70 TAPE is easily processable in tape weaving, winding, laying, lamination and other applications. Please contact our customer service department for available colors, tape length and width, as well as winding method.

TYPICAL PROPERTIES VALUES

(Revision: 22092301)

Name	Typical values	Unit	Test methods
PHYSICAL			
Matrix material	PP-H		
Polymer melting point	166	°C	
Glass content	45	Volume%	-
Glass content	70	Weight%	-
Thickness	0.250	mm	-
Density	1.67	kg/dm^3	ISO1183
Areal weight	417	g/m^2	-
MECHANICAL			
Tensile modulus 0º	37	GPa	-
Tensile strength 0º	1010	MPa	ASTM D3039

PROCESSING

It is not necessary to dry UDMAX™ GPP 45-70 TAPE prior to use. The recommended processing temperature range is 190° to 240°C. It is advised to allow newly shaped parts, produced using UDMAX™ GPP 45-70 TAPE, to cool down to 65°C or below, before further handling.

DISCLAIMER
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