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

DESCRIPTION

UDMAX™ GFRPP 45-70 TAPE is a developmental flame retardant 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™ GFRPP 45-70 TAPE offers a combination of high strength and stiffness, which can result in weight reduction and overall customer product performance improvement. This tape has been developed for the production of lightweight sandwich panels for the railway industry. Panels made with this product can comply with the EU fire safety standard EN45545-2. Please contact our customer service department for available colors, tape length and width, as well as winding method.

TYPICAL PROPERTIES VALUES

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Name	Typical values	Unit	Test methods
PHYSICAL			
Glass content	45	Volume%	-
Glass content	70	Weight%	-
Thickness	0.250	mm	-
Density	1.66	kg/dm^3	ISO1183
Areal weight	415	g/m^2	-
MECHANICAL			
Tensile modulus 0º	36	GPa	ISO 527-5
Tensile strength 0º	675	MPa	ISO 527-5

PROCESSING

It is not necessary to dry UDMAX™ GFRPP 45-70 TAPE prior to use. The recommended maximum processing temperature 220°C. It is advised to allow newly shaped parts, produced using UDMAX™ GFRPP 45-70 TAPE, to cool down to 65°C or below, before further handling.

DISCLAIMER
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UDMAX Tapes
OSB 4. Cad. No: 4, 26110 Eskisehir, Turkey
+90 222 236 22 22
info@udmaxtapes.com
www.udmaxtapes.com