

Data Sheet

UDMAX[®] GPP 55-80 TAPE (0.25 mm)

DESCRIPTION

UDMAX[®] GPP 55-80 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 55-80 TAPE has been developed for the thermoplastic composite automotive market. This grade is available in the natural and black color. Please contact our customer service department for more information about available tape length and width, as well as winding method.

TYPICAL PROPERTIES VALUES

(Revision: 23092901)

Name	Typical values	Unit	Test methods
PHYSICAL			
Matrix material	PP homopol.		
Polymer melting point	166	°C	
Glass content	56	Volume%	-
Glass content	80	Weight%	-
Thickness	0.25	mm	-
Density	1.88	kg/dm ³	ISO1183
Areal weight	475	g/m ²	-
MECHANICAL			
Tensile modulus 0°	43	GPa	ISO 527-5
Tensile strength 0°	1090	MPa	ISO 527-5
Flextural modulus 0°	46	GPa	ISO 14125
Flextural strength 0°	725	MPa	ISO 14125

PROCESSING

It is not necessary to dry UDMAX[®] GPP 55-80 TAPE prior to use. The recommended processing temperature range is 160° to 180°C

DISCLAIMER

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