

Preliminary Data Sheet

UDMAX[®] GPA40-65 TAPE (0.27 mm)

DESCRIPTION

UDMAX[™] GPA 40-65 TAPE is a UD glass reinforced, polyamide 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[™] GPA 40-65 TAPE has been developed for the thermoplastic composite automotive market with excellent stiffness and strength. The standard color is black for optimal heat absorption. Please contact our customer service department for more information about available tape length and width, as well as winding method.

TYPICAL PROPERTIES VALUES

(Revision: 25031701)

Name	Typical values	Unit	Test methods
PHYSICAL			
Matrix material	PA 6		
Polymer melting point	270	°C	ISO 11357 -1/-3
Glass content	40	Volume%	-
Glass content	65	Weight%	-
Thickness	0.27	mm	-
Density	1.72	kg/dm ³	ISO1183
Areal weight	465	g/m ²	-
MECHANICAL			
Tensile modulus 0°	33	GPa	ISO 527-5
Tensile strength 0°	870	MPa	ISO 527-5

DISCLAIMER

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