Data Sheet
UDMAX™ GPP 40-65 AO TAPE (0.28 mm)

DESCRIPTION

UDMAX™ GPP 40-65 AO 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 40-65 AO TAPE has been developed for applications such as composite tanks, that are submitted for long periods of time to continuous high pressure. The tape has high resistance to degradation, due to its optimized antioxidant and light stabilization package, resulting in a continuous long life performance. UDMAX™ GPP 40-65 AO TAPE is available in black, please contact our customer service department for available 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	40	Volume%	-
Glass content	65	Weight%	-
Thickness	0.280	mm	-
Density	1.57	kg/dm^3	ISO1183
Areal weight	439	g/m^2	-
MECHANICAL			
Tensile modulus 0º	29	GPa	ISO 527-5
Tensile strength 0º	970	MPa	ISO 527-5

PROCESSING

It is not necessary to dry UDMAX™ GPP 40-65 AO TAPE prior to use. The recommended processing temperature range is 190° to 240°C, but the exposure to high temperatures should be kept to a minimum, to prolong degradation resistance. It is advised to allow newly shaped parts, produced using UDMAX™ GPP 40-65 AO TAPE, to cool down to 65°C or below, before further handling.

DISCLAIMER
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