Data Sheet
UDMAX™ GHDPE 46-70 XP001 TAPE (0.25 mm)

DESCRIPTION

UDMAX™ GHDPE 46-70 XP001 TAPE is a UD glass reinforced, polyethylene 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™ GHDPE 46-70 XP001 TAPE has been developed for the thermoplastic composite piping market, easily sealing to HDPE liners resulting in composite pipes 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: 22092301)

Name	Typical values	Unit	Test methods
PHYSICAL			
Matrix material	HDPE		
Polymer melting point	128	°C	
Glass content	46	Volume%	-
Glass content	70	Weight%	-
Thickness	0.250	mm	-
Density	1.67	kg/dm^3	ISO1183
Areal weight	430	g/m^2	-
MECHANICAL			
Tensile modulus 0º	31	GPa	ISO 527-5
Tensile strength 0º	1050	MPa	ISO 527-5

PROCESSING

It is not necessary to dry UDMAX™ GPE 46-70 XP001TAPE prior to use. The recommended processing temperature range is 190° to 210°C. It is advised to allow newly shaped parts, produced using UDMAX™ GHDPE 46-70 XP001 TAPE, to cool down to 80°C or below, before further handling.

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