Data Sheet
UDMAX® GHDPE 40-65 XP011 TAPE (0.27 mm)

DESCRIPTION

UDMAX™ GHDPE 40-65 XP011 TAPE is a UD glass reinforced, polyethylene based, composite material, produced using UDMAX™'s proprietary HPFITTM technology, delivering optimal fiber spreading and a resin-rich surface layer at high fiber contents. UDMAX™ GHDPE 40-65 XP011 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	132	°C	ISO 11357 -1/-3
Glass content	40	Volume%	-
Glass content	65	Weight%	-
Thickness	0.270	mm	-
Density	1.61	kg/dm^3	ISO1183
Areal weight	434	g/m^2	-
MECHANICAL			
Tensile modulus 0º	31	GPa	ISO 527-5
Tensile strength 0º	850	MPa	ISO 527-5

PROCESSING

It is not necessary to pre-dry UDMAX® GHDPE 40-65 XP011 TAPE prior to use. The recommended processing temperature range is 160° to 180°C

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