

Polimeri Europa KOBLEND HI PD 41 G1 PBT+PC, 5% Glass Fiber (discontinued **)

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Polybutylene Terephthalate (PBT) Blend, Glass Filled , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

Symbol according to ISO 1043/1: PBT+PC (GF) Elastomer modified PBT+PC blend reinforced with 5% of glass fibres, a good combination of stiffness, dimensional stability and toughness. Main application fields: automotive industry Filled. Suitable for Injection Molding.

Supplied as pellets.ISO data. Information provided by EnichemPolimeri Europa now has Enichem's plastics businesses. This grade is no longer in the product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-KOBLEND-HI-PD-41-G1-PBTPC-5-Glass-Fiber-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	
Melt Flow	3.2 g/10 min @Load 2.16 kg, Temperature 250 °C	3.2 g/10 min @Load 4.76 lb, Temperature 482 °F	cm ³ /10 min

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	48.0 MPa	6960 psi	50 mm/min
Elongation at Break	20 %	20 %	Nominal
Elongation at Yield	3.6 %	3.6 %	50 mm/min
Tensile Modulus	2.80 GPa	406 ksi	1 mm/min
Izod Impact, Unnotched	9.50 J/cm	17.8 ft-lb/in	J/cm ²
Izod Impact, Notched (ISO)	11.0 kJ/m ² @Temperature -30.0 °C	5.23 ft-lb/in ² @Temperature -22.0 °F	
Izod Impact, Unnotched (ISO)	80.0 kJ/m ² @Temperature -30.0 °C	38.1 ft-lb/in ² @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	120 °C	248 °F	
Deflection Temperature at 1.8 MPa (264 psi)	93.0 °C	199 °F	
Vicat Softening Point	123 °C	253 °F	50°C/hr; 50N

Thermal Properties	HB Metric	HB English	Comments
	@Thickness 1.60 mm	@Thickness 0.0630 in	

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