

Polimeri Europa KOBLEND PCA PD 935 G4 PC+ABS, 20% Glass Fiber (discontinued **)

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Glass Fiber Filled , Polycarbonate (PC)

Material Notes:

Symbol according to ISO 1043/1/2: PC+ABS (GF) Injection moulding grade, reinforced with 20% glass fibres, high stiffness, very good dimensional stability. Main application fields: structural non aesthetic parts in the automotive industry, electro-mechanical components. Filled. Suitable for Injection Molding. Supplied as pellets. ISO data. Information provided by Enichem Polimeri 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-PCA-PD-935-G4-PCABS-20-Glass-Fiber-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	
Water Absorption	0.60 %	0.60 %	
Melt Flow	11 g/10 min @Load 5.00 kg, Temperature 260 °C	11 g/10 min @Load 11.0 lb, Temperature 500 °F	cm ³ /10 min

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	85.0 MPa	12300 psi	5 mm/min
Elongation at Break	3.0 %	3.0 %	5 mm/min
Tensile Modulus	6.40 GPa	928 ksi	1 mm/min

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	30.0 µm/m-°C @Temperature 20.0 °C	16.7 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	133 °C	271 °F	
Deflection Temperature at 1.8 MPa (264 psi)	121 °C	250 °F	
Vicat Softening Point	132 °C	270 °F	50°C/hr; 50N
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
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Electrical Resistivity Electrical Properties	$\geq 1.00\text{e}+15$ ohm-cm Metric	$\geq 1.00\text{e}+15$ ohm-cm English	Comments
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	
Dielectric Constant	2.8	2.8	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	2.9	2.9	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	27.0 kV/mm	686 kV/in	
Dissipation Factor	0.0020	0.0020	
	@Frequency 100 Hz	@Frequency 100 Hz	
Comparative Tracking Index	0.010	0.010	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Comparative Tracking Index	250 V	250 V	

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