

Polimeri Europa KOBLEND PCA 53 PC+ABS (discontinued **)

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

Symbol according to ISO 1043/1: PC+ABS Injection moulding grade with flame retardant properties (UL 94 V-0 at 1.6mm thickness) and good light resistance. Vicat/B50 = 110°C Main application fields: business machines, electronic and electrical industryUnfilled. 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-PCA-53-PCABS-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	
Water Absorption	0.60 %	0.60 %	
Melt Flow	16 g/10 min @Load 5.00 kg, Temperature 250 °C	16 g/10 min @Load 11.0 lb, Temperature 482 °F	cm ³ /10 min

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	58.0 MPa	8410 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal
Elongation at Yield	4.5 %	4.5 %	50 mm/min
Tensile Modulus	2.60 GPa	377 ksi	1 mm/min
Izod Impact, Unnotched	NB	NB	
	NB @Temperature -30.0 °C	NB @Temperature -22.0 °F	
Izod Impact, Notched (ISO)	18.0 kJ/m ² @Temperature -30.0 °C	8.57 ft-lb/in ² @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	70.0 µm/m-°C @Temperature 20.0 °C	38.9 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	108 °C	226 °F	
Deflection Temperature at 1.8 MPa (264 psi)	98.0 °C	208 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	105 °C	222 °F	50°C/60r; 50N
Flammability, UL94	V-0 @Thickness 1.62 mm	V-0 @Thickness 0.0638 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	$\geq 1.00 \times 10^{15}$ ohm-cm	$\geq 1.00 \times 10^{15}$ ohm-cm	
Surface Resistance	1.00×10^{14} ohm	1.00×10^{14} ohm	
Dielectric Constant	2.9 @Frequency 1e+6 Hz	2.9 @Frequency 1e+6 Hz	
Dielectric Strength	30.0 kV/mm @Frequency 100 Hz	762 kV/in @Frequency 100 Hz	
Dissipation Factor	0.0040 @Frequency 100 Hz	0.0040 @Frequency 100 Hz	
Comparative Tracking Index	0.0070 @Frequency 1e+6 Hz	0.0070 @Frequency 1e+6 Hz	
Comparative Tracking Index	300 V	300 V	

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