

Polimeri Europa KOBLEND PCA 447 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 very good impact behaviour even at low temperatures, good dimensional stability. Vicat/B50 = 110°C Main application fields: automotive interiors, domestic appliances industry, 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-447-PCABS-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in³	
Water Absorption	0.70 %	0.70 %	
Melt Flow	16 g/10 min @Load 5.00 kg, Temperature 260 °C	16 g/10 min @Load 11.0 lb, Temperature 500 °F	cm³/10 min

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	45.0 MPa	6530 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal
Elongation at Yield	3.6 %	3.6 %	50 mm/min
Tensile Modulus	2.10 GPa	305 ksi	1 mm/min
Izod Impact, Unnotched	NB	NB	
	NB @Temperature -30.0 °C	NB @Temperature -22.0 °F	
Izod Impact, Notched (ISO)	25.0 kJ/m² @Temperature -30.0 °C	11.9 ft-lb/in² @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	80.0 µm/m-°C @Temperature 20.0 °C	44.4 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	120 °C	248 °F	
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C	203 °F	

Thermal Properties Vicat Softening Point	Metric 114 °C	English 237 °F	Comments 50 °C/hr, 50N
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	$\geq 1.00\text{e}+15$ ohm-cm	$\geq 1.00\text{e}+15$ ohm-cm	
Surface Resistance	$1.00\text{e}+14$ ohm	$1.00\text{e}+14$ ohm	
Dielectric Constant	2.7 @Frequency 1e+6 Hz	2.7 @Frequency 1e+6 Hz	
	2.8 @Frequency 100 Hz	2.8 @Frequency 100 Hz	
Dielectric Strength	27.0 kV/mm	686 kV/in	
Dissipation Factor	0.0040 @Frequency 100 Hz	0.0040 @Frequency 100 Hz	
	0.0070 @Frequency 1e+6 Hz	0.0070 @Frequency 1e+6 Hz	
Comparative Tracking Index	500 V	500 V	

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