

Polimeri Europa KOBLEND PCA 447F PC+ABS (discontinued **)

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

Material Notes:

Symbol according to ISO 1043/1: PC+ABS Similar to KOBLEND PCA 447 with improved fluidity and release, suitable to mould complex items. Unfilled. 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-447F-PCABS-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in ³	
Water Absorption	0.70 %	0.70 %	
Melt Flow	18 g/10 min @Load 5.00 kg, Temperature 260 °C	18 g/10 min @Load 11.0 lb, Temperature 500 °F	cm ³ /10 min

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	46.0 MPa	6670 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal
Elongation at Yield	4.0 %	4.0 %	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)	22.0 kJ/m ² @Temperature -30.0 °C	10.5 ft-lb/in ² @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)	118 °C	244 °F	
Deflection Temperature at 1.8 MPa (264 psi)	97.0 °C	207 °F	

Vicat Softening Point Thermal Properties	113 °C Metric	235 °F English	50°C/hr: 50N Comments
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	
Dielectric Constant	2.7 @Frequency 1e+6 Hz	2.7 @Frequency 1e+6 Hz	
Dielectric Strength	27.0 kV/mm @Frequency 100 Hz	686 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	

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