

## Polimeri Europa KOBLEND PCA 51 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 = 90°C Main application fields: business machines, electronic and electrical industry 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-51-PCABS-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-KOBLEND-PCA-51-PCABS-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in <sup>3</sup>	
Water Absorption	0.60 %	0.60 %	
Melt Flow	21 g/10 min @Load 5.00 kg, Temperature 250 °C	21 g/10 min @Load 11.0 lb, Temperature 482 °F	cm <sup>3</sup> /10 min

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	54.0 MPa	7830 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal
Elongation at Yield	3.6 %	3.6 %	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)	12.0 kJ/m <sup>2</sup> @Temperature -30.0 °C	5.71 ft-lb/in <sup>2</sup> @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)	94.0 °C	201 °F	
Deflection Temperature at 1.8 MPa (264 psi)	84.0 °C	183 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	94.0 °C	201 °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	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	
Dielectric Constant	2.9 @Frequency 1e+6 Hz	2.9 @Frequency 1e+6 Hz	
Dielectric Strength	3.0 @Frequency 100 Hz	3.0 @Frequency 100 Hz	
Dissipation Factor	30.0 kV/mm	762 kV/in	
Comparative Tracking Index	0.0050 @Frequency 100 Hz	0.0050 @Frequency 100 Hz	
	0.0070 @Frequency 1e+6 Hz	0.0070 @Frequency 1e+6 Hz	

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