

## Polimeri Europa KOBLEND PCA 839 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 = 130°C Main applications fields: automotive interiors, domestic appliances industry, 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-839-PCABS-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-KOBLEND-PCA-839-PCABS-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in <sup>3</sup>	
Water Absorption	0.60 %	0.60 %	
Melt Flow	15 g/10 min @Load 5.00 kg, Temperature 260 °C	15 g/10 min @Load 11.0 lb, Temperature 500 °F	cm <sup>3</sup> /10 min

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal
Elongation at Yield	4.8 %	4.8 %	50 mm/min
Tensile Modulus	2.20 GPa	319 ksi	1 mm/min
Izod Impact, Unnotched	NB	NB	
	NB @Temperature -30.0 °C	NB @Temperature -22.0 °F	
Izod Impact, Notched (ISO)	37.0 kJ/m <sup>2</sup> @Temperature -30.0 °C	17.6 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)	133 °C	271 °F	
Deflection Temperature at 1.8 MPa (264 psi)	113 °C	235 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	123 °C	203 °F	50 °C/hr; 50N
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	686 kV/in	
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	
	250 V	250 V	

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