

Polimeri Europa EDISTIR RC3 High Impact Polystyrene (HIPS) (discontinued **)

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Impact Modified

Material Notes:

Symbol according to ISO 1043-1: S/B Designation: Thermoplastic ISO 2897-SB,M,088-06-07-18 Special high impact, high gloss polystyrene grade. Suitable for injection molding in the appliances sector. Applications: Typical uses are domestic appliances, door handles and internal components of refrigerators, front panels of washing machines, point of sales, sanitary and houseware. Unfilled. Suitable for Injection Molding. Supplied as pellets. Contains release agent. 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-EDISTIR-RC3-High-Impact-Polystyrene-HIPS-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	
Melt Flow	5.5 g/10 min @Load 5.00 kg, Temperature 200 °C	5.5 g/10 min @Load 11.0 lb, Temperature 392 °F	cm ³ /10 min

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.0 MPa	3920 psi	50 mm/min
Elongation at Break	40 %	40 %	Nominal
Elongation at Yield	1.6 %	1.6 %	50 mm/min
Tensile Modulus	1.95 GPa	283 ksi	1 mm/min
Charpy Impact Unnotched	12.0 J/cm ²	57.1 ft-lb/in ²	
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	77.0 °C	171 °F	
Vicat Softening Point	88.0 °C	190 °F	50°C/hr; 50N
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	

Surface Resistance Electrical Properties	$\geq 1.00e+15$ ohm Metric	$\geq 1.00e+15$ ohm English	Comments
Dielectric Constant	2.5 @Frequency 100 Hz	2.5 @Frequency 100 Hz	
Dielectric Strength	65.0 kV/mm	1650 kV/in	
Dissipation Factor	0.00030 @Frequency 100 Hz	0.00030 @Frequency 100 Hz	
Comparative Tracking Index	575 V	575 V	

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