

Polimeri Europa EDISTIR SRL800/N 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,G,093-06-07-12 Very high environmental stress cracking resistant (VH ESCR) modified HIPS. It exhibits high toughness and enhanced chemical resistance to oils, fats and chemical agents and in particular to cyclopentane. Suitable for extrusion/ thermoforming and injection molding. Delivered in round pellets, this material can be also supplied in cylindrical pellets as Edistir SRL800 Applications: Designed for inner liners and frames for refrigerators where cyclopentane is used as blowing agent for insulating polyurethane foams.Unfilled. Suitable for Injection Molding, Sheet Extrusion, Blow Molding, Thermoforming. Supplied as pellets. Contains release agent.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-EDISTIR-SRL800N-High-Impact-Polystyrene-HIPS-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	
Melt Flow	4.2 g/10 min @Load 5.00 kg, Temperature 200 °C	4.2 g/10 min @Load 11.0 lb, Temperature 392 °F	cm ³ /10 min

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	17.5 MPa	2540 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal
Elongation at Yield	1.7 %	1.7 %	50 mm/min
Tensile Modulus	1.40 GPa	203 ksi	1 mm/min
Charpy Impact Unnotched	16.0 J/cm ²	76.1 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)	79.0 °C	174 °F	
Vicat Softening Point	91.0 °C	196 °F	50°C/hr; 50N
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	$\geq 1.00 \times 10^{15}$ ohm-cm	$\geq 1.00 \times 10^{15}$ ohm-cm	
Surface Resistance	$\geq 1.00 \times 10^{15}$ ohm	$\geq 1.00 \times 10^{15}$ ohm	
Dielectric Constant	2.5	2.5	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	65.0 kV/mm	1650 kV/in	
Dissipation Factor	0.00030	0.00030	
	@Frequency 100 Hz	@Frequency 100 Hz	
Comparative Tracking Index	500 V	500 V	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China