

Polimeri Europa EDISTIR SRL550 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,E,083-12-07-18 High impact, easy flow polystyrene with good elasticity at low temperatures. Used for sheet extrusion and thermoforming of disposable food packaging often in blend with GP.

Applications: Thermoformed egg trays, food containers for dairy products, for frozen foods, deep-drawn tubs for ice creams.Unfilled.

Suitable for Sheet Extrusion, Blow Molding, Thermoforming. Supplied as pellets.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-SRL550-High-Impact-Polystyrene-HIPS-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	
Melt Flow	11 g/10 min @Load 5.00 kg, Temperature 200 °C	11 g/10 min @Load 11.0 lb, Temperature 392 °F	cm ³ /10 min

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	18.0 MPa	2610 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal
Elongation at Yield	1.6 %	1.6 %	50 mm/min
Tensile Modulus	1.70 GPa	247 ksi	1 mm/min
Charpy Impact Unnotched	12.0 J/cm ²	57.1 ft-lb/in ²	
Charpy Impact, Notched	0.900 J/cm ²	4.28 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	73.0 °C	163 °F	
Vicat Softening Point	82.0 °C	180 °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	

Electrical Properties	Metric	English	Comments
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	

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