

Polimeri Europa EDISTIR PD RK5512G 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,088-06-07-23 UL94 V-2, polybromobiphenylether (PBBE) free, high impact polystyrene with good mechanical and thermal properties. It exhibits a good stability to the processing conditions and the light exposure. This grade is recommended for injection molding in the electronic industry. Applications: TV back covers, computer housings, printers and copiers. Unfilled. Suitable for Injection Molding. Supplied as pellets. Contains release agent. 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-PD-RK5512G-High-Impact-Polystyrene-HIPS-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	
Melt Flow	5.0 g/10 min	5.0 g/10 min	cm ³ /10 min
	@Load 5.00 kg, Temperature 200 °C	@Load 11.0 lb, Temperature 392 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	23.0 MPa	3340 psi	50 mm/min
Elongation at Break	50 %	50 %	Nominal
Elongation at Yield	2.0 %	2.0 %	50 mm/min
Tensile Modulus	2.10 GPa	305 ksi	1 mm/min
Charpy Impact Unnotched	7.00 J/cm ²	33.3 ft-lb/in ²	
	6.00 J/cm ² @Temperature -30.0 °C	28.6 ft-lb/in ² @Temperature -22.0 °F	
Charpy Impact, Notched	0.750 J/cm ²	3.57 ft-lb/in ²	
	0.400 J/cm ² @Temperature -30.0 °C	1.90 ft-lb/in ² @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	90.0 °C	194 °F	50°C/hr; 50N
	V-2	V-2	

Thermal Properties	Metric	English	Comments
Flammability UL 94	@ Thickness 1.70 mm	@ Thickness 0.0669 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	0.00060	0.00060	
	@Frequency 100 Hz	@Frequency 100 Hz	
Comparative Tracking Index	475 V	475 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