

Polimeri Europa EDISTIR PD RK4514H 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,093-06-07-23 UL94 V-2, polybromodiphenylether (PBBE) free, antimony free, HIPS satisfying at 960°C the glow wire test (GWT) acc. DIN/IEC 695-2-1. This product is suggested for injection molding where exhibits good flow, good mechanical and thermal properties and enhanced UV stability. Applications: Developed for fuse and circuit breaker boxes, cable junction boxes and other electrical appliances. 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-PD-RK4514H-High-Impact-Polystyrene-HIPS-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	
Melt Flow	6.0 g/10 min @Load 5.00 kg, Temperature 200 °C	6.0 g/10 min @Load 11.0 lb, Temperature 392 °F	cm ³ /10 min

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	30.0 MPa	4350 psi	50 mm/min
Elongation at Break	40 %	40 %	Nominal
Tensile Modulus	2.35 GPa	341 ksi	1 mm/min
Charpy Impact Unnotched	8.00 J/cm ²	38.1 ft-lb/in ²	
	7.00 J/cm ² @Temperature -30.0 °C	33.3 ft-lb/in ² @Temperature -22.0 °F	
Charpy Impact, Notched	0.650 J/cm ²	3.09 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	92.0 °C	198 °F	50°C/hr; 50N
Flammability, UL94	V-2 @Thickness 1.60 mm	V-2 @Thickness 0.0630 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