

## Polimeri Europa EDISTIR N1841 Polystyrene (discontinued \*\*)

Category : Polymer , Thermoplastic , Polystyrene (PS)

### Material Notes:

Symbol according to ISO 1043-1: PS Designation: Thermoplastic ISO 1622-PS,M,085-12 General purpose polystyrene combining easy flow and medium heat. This grade exhibits excellent processability in injection molding and should be used for complex and thin-wall parts and for fast-cycle moldings. Applications: Typical uses are beverage cups, point of sales, containers for foods and cosmetics, toys, housewares, medical articles (Petri dishes).Unfilled. Suitable for Injection Molding. 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-N1841-Polystyrene-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-EDISTIR-N1841-Polystyrene-nbspdiscontinued-.php)

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

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	39.0 MPa	5660 psi	5 mm/min
Elongation at Break	1.8 %	1.8 %	5 mm/min
Tensile Modulus	3.25 GPa	471 ksi	1 mm/min
Charpy Impact Unnotched	1.00 J/cm <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	
Charpy Impact, Notched	0.200 J/cm <sup>2</sup>	0.952 ft-lb/in <sup>2</sup>	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	
Vicat Softening Point	86.0 °C	187 °F	50°C/hr; 50N
Glass Transition Temp, Tg	90.0 °C	194 °F	10°C/min test
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

Optical Properties	Metric	English	Comments
Transmission, Visible	80 %	80 %	Manufacturer specifies 'transparent' but doesn't quantify.

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	70.0 kV/mm	1780 kV/in	
Dissipation Factor	0.00020	0.00020	
	@Frequency 100 Hz	@Frequency 100 Hz	
Comparative Tracking Index	375 V	375 V	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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