

Total PSI 830 Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Impact Modified

Material Notes:

Polystyrene 830 is a high melt flow, high impact polystyrene specially designed for hard to fill injection molding applications. The high flow 830 material aids production of stress free parts. The material is targeted for large parts, thin wall parts or molds with complex runner and gate systems. Information provided by Total Petrochemicals, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PSI-830-Polystyrene.php

Physical Properties	Metric	English	Comments
Melt Flow	13 g/10 min	13 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 200 °C	@Load 11.0 lb, Temperature 392 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	22.1 MPa	3200 psi	ASTM D638
Elongation at Yield	45 %	45 %	ASTM D638
Tensile Modulus	2.21 GPa	320 ksi	ASTM D638
Flexural Strength	39.3 MPa	5700 psi	ASTM D790
Flexural Modulus	2.07 GPa	300 ksi	ASTM D790
Izod Impact, Notched	1.12 J/cm	2.10 ft-lb/in	ASTM D256
Falling Dart Impact	14.11 J	10.41 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	84.4 °C	184 °F	Heat Distortion, Annealed; ASTM D648
Vicat Softening Point	91.7 °C	197 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Gloss	92 %	92 %	60°; ASTM D523

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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