

Total PSI 935E Polystyrene

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

Material Notes:

Polystyrene 935E is a high impact polystyrene exhibiting exceptional toughness for sheet and thermoforming applications. This polymer is an excellent choice for cups, food packaging, custom sheet and coextrusion applications when extremely high ductility is crucial. Information provided by Total Petrochemicals, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PSI-935E-Polystyrene.php

Physical Properties	Metric	English	Comments
Melt Flow	3.7 g/10 min	3.7 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	19.3 MPa	2800 psi	ASTM D638
Elongation at Yield	60 %	60 %	ASTM D638
Tensile Modulus	1.72 GPa	250 ksi	ASTM D638
Flexural Strength	37.9 MPa	5500 psi	ASTM D790
Flexural Modulus	1.79 GPa	260 ksi	ASTM D790
Izod Impact, Notched	1.33 J/cm	2.50 ft-lb/in	ASTM D256
Falling Dart Impact	16.9 J	12.5 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	92.2 °C	198 °F	Heat Distortion, Annealed; ASTM D648
Vicat Softening Point	97.8 °C	208 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Gloss	80 %	80 %	60°; ASTM D523

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