

Total PSC 529 Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

Polystyrene 529 is a medium flow crystal specially formulated for mar resistance. The easy to process crystal minimizes visual defects from ejection and automated part handling. Typical applications are electronics packaging and office accessories. Information provided by Total Petrochemicals, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PSC-529-Polystyrene.php

Physical Properties	Metric	English	Comments
Melt Flow	3.5 g/10 min	3.5 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	51.7 MPa	7500 psi	ASTM D638
Tensile Modulus	2.96 GPa	430 ksi	ASTM D638
Flexural Strength	96.5 MPa	14000 psi	ASTM D790
Flexural Modulus	2.96 GPa	430 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	92.8 °C	199 °F	Heat Distortion, Annealed; ASTM D648
Vicat Softening Point	97.8 °C	208 °F	ASTM D1525

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