

Total PSC 585 Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

Polystyrene 585 is a high molecular weight, low melt flow, crystal polystyrene. This polymer is tailored for extruded foam applications such as egg cartons, meat trays and food service. 585 also makes superior oriented polystyrene sheet. Information provided by Total Petrochemicals, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PSC-585-Polystyrene.php

Physical Properties	Metric	English	Comments
Melt Flow	1.6 g/10 min @Load 5.00 kg, Temperature 200 °C	1.6 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	52.4 MPa	7600 psi	ASTM D638
Tensile Modulus	2.96 GPa	430 ksi	ASTM D638
Flexural Strength	97.9 MPa	14200 psi	ASTM D790
Flexural Modulus	2.96 GPa	430 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 °C	212 °F	Heat Distortion, Annealed; ASTM D648
Vicat Softening Point	107 °C	224 °F	ASTM D1525

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