

Iran Petrochemical (PCC) GPPS 1540 Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Extrusion Grade , Polystyrene, Molded, Unreinforced

Material Notes:

GPPS 1540 is an easy flowing crystal polystyrene designed for extrusion or injection applications. In extrusion, it improves extruder output and thermoforming cycle times when mixed with a high impact polystyrene. It is particularly suitable for glossy-layer co-extrusion. Applications: impact dilution, gloss layer in co-extrusion, packaging articles, medical applications, office equipment. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-GPPS-1540-Polystyrene.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	
Moisture Absorption	<= 0.100 %	<= 0.100 %	ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D570
Melt Flow	11 g/10 min @Load 5.00 kg, Temperature 200 Â°C	11 g/10 min @Load 11.0 lb, Temperature 392 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Tensile Modulus	3.10 GPa	450 ksi	ASTM D638
Flexural Modulus	3.00 GPa	435 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	>= 89.5 Â°C	>= 193 Â°F	ASTM D1525

Optical Properties	Metric	English	Comments
Refractive Index	1.591	1.591	ISO

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