

Iran Petrochemical (PCC) HIPS 7240 High Impact Polystyrene

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

Material Notes:

HIPS7240 is a very high impact polystyrene used in the extrusion industry. The good melt strength of this grade makes it particularly suitable for deep-draw thermoforming. HIPS 7240 is available in white color. Applications: extrusion, coextrusion, containers, thermoforming
Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-HIPS-7240-High-Impact-Polystyrene.php

Physical Properties	Metric	English	Comments
Moisture Absorption	<= 0.100 %	<= 0.100 %	ASTM D570
Melt Flow	4.5 g/10 min @Load 5.00 kg, Temperature 200 Â°C	4.5 g/10 min @Load 11.0 lb, Temperature 392 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	ASTM D638
Tensile Strength, Yield	21.0 MPa	3050 psi	ASTM D638
Elongation at Break	55 %	55 %	ASTM D638
Tensile Modulus	1.80 GPa	261 ksi	ASTM D638
Flexural Modulus	1.75 GPa	254 ksi	ASTM D790
Izod Impact, Notched (ISO)	8.50 kJ/mÂ²	4.04 ft-lb/inÂ²	ISO 180/1A

Thermal Properties	Metric	English	Comments
Vicat Softening Point	>= 94.0 Â°C	>= 201 Â°F	ASTM D1525

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