

Total PSI 3341 High Impact Polystyrene

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

Material Notes:

Total Petrochemicals Polystyrene 3341 is a high impact polystyrene for the extrusion industry. Its good mechanical and thermal properties leads to the production of thermoformed articles of good rigidity and toughness. Applications: Sheet for thermoforming Industrial sheet Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PSI-3341-High-Impact-Polystyrene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Water Absorption	0.070 %	0.070 %	ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D955
Melt Flow	3.0 g/10 min @Load 5.00 kg, Temperature 200 °C	3.0 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238
Spiral Flow	44.0 cm @Temperature 220 °C	17.3 in @Temperature 428 °F	ASTM D3123

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	99	99	ASTM D785
Tensile Strength at Break	28.0 MPa	4060 psi	ASTM D638
Tensile Strength, Yield	31.0 MPa	4500 psi	ASTM D638
Elongation at Break	60 %	60 %	ASTM D638
Tensile Modulus	2.20 GPa	319 ksi	ASTM D638
Flexural Modulus	2.10 GPa	305 ksi	ASTM D790
Izod Impact, Notched (ISO)	11.5 kJ/m ²	5.47 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	91.3 µm/m-°C	50.7 µin/in-°F	ASTM D696
Hot Ball Pressure Test	80.0 °C	176 °F	JET, 2.0 mm
Vicat Softening Point	100 °C @Load 1.02 kg	212 °F @Load 2.25 lb	50°C per hour; ASTM D1525

Thermal Properties	Metric	English	Comments
Heat Distortion Temperature	30.0 °C	100 °F	ASTM D638

Electrical Properties	Metric	English	Comments
Surface Resistance	$\geq 1.00 \times 10^{13}$ ohm	$\geq 1.00 \times 10^{13}$ ohm	ISO IEC 93
Dielectric Strength	150 kV/mm	3810 kV/in	ASTM D149

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China