

Total Lacqrene® 3351(EU) Impact Polystyrene (discontinued **)

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

LACQRENE® 3351 is a high heat resistance, high impact polystyrene for injection molding and extrusion/thermoforming. It is recommended for the manufacture of articles which require good dimensional stability at elevated temperatures. LACQRENE® 3351 gives a good comprise in the extrusion and thermoforming of sheet for hot-fill applications. Application TV covers, Video cassettes, Electrical appliances, Coffee cups, Dilution with crystal for CD box inserts, high heat food trays. Information provided provided by Total Petrochemicals. Total Petrochemicals includes former Fina and Atofina plastics product lines.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-Lacqrene-3351EU-Impact-Polystyrene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	ISO 62
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	
Melt Flow	4.5 g/10 min @Load 5.00 kg, Temperature 200 °C	4.5 g/10 min @Load 11.0 lb, Temperature 392 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	77	77	ISO 2039-2
Tensile Strength at Break	28.0 MPa	4060 psi	ISO 527-2
Tensile Strength, Yield	26.0 MPa	3770 psi	ISO 527-2
Elongation at Break	55 %	55 %	ISO 527-2
Tensile Modulus	2.00 GPa	290 ksi	ISO 527-2
Flexural Modulus	1.90 GPa	276 ksi	ISO 178
Izod Impact, Notched (ISO)	8.50 kJ/m ²	4.04 ft-lb/in ²	
Charpy Impact, Notched	0.850 J/cm ²	4.05 ft-lb/in ²	ISO 179/1eU

Thermal Properties	Metric	English	Comments
CTE, linear	91.0 µm/m-°C @Temperature 20.0 °C	50.6 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	94.0 °C	201 °F	Annealed; ISO 75-2A

Thermal Properties	Metric	English	Comments
Temperature at 1.8 MPa (264 psi)	173 °C	341 °F	Unannealed; ISO 75-2A
Vicat Softening Point	94.0 °C	201 °F	10N (T° increase = 50°C/h); ISO 306A50
	95.0 °C	203 °F	50N (T° increase = 5°C/h); ISO 306B50

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	$\geq 1.00 \times 10^{14}$ ohm	$\geq 1.00 \times 10^{14}$ ohm	ISO IEC93
Dielectric Strength	150 kV/mm	3810 kV/in	

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