

## Total Lacqrene® 3351(AS) 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 compromise in the extrusion and thermoforming of sheet for hot-fill applications. Application TV covers, Printers, Scanners, 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-3351AS-Impact-Polystyrene-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Total-Lacqrene-3351AS-Impact-Polystyrene-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	ASTM D1505
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	ASTM 1238G

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	77	77	ASTM D785
Tensile Strength, Yield	25.5 MPa	3700 psi	ASTM D638
Elongation at Break	55 %	55 %	ASTM D638M
Flexural Yield Strength	4.90 MPa	711 psi	ASTM D790
Flexural Modulus	1.96 GPa	284 ksi	ASTM D790
Izod Impact, Notched	0.883 J/cm	1.65 ft-lb/in	Notched/Unnotched not specified; ASTM D256A

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 1.8 MPa (264 psi)	74.0 °C	165 °F	ASTM D648
Vicat Softening Point	95.0 °C	203 °F	50N (T° increase = 5°C/h); ASTM D1525B
	103 °C	217 °F	10N (T° increase = 50°C/h); ASTM D1525A

Thermal Properties	Metric	English	Comments
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	
Processing Properties	Metric	English	Comments
Melt Temperature	200 - 240 °C	392 - 464 °F	
Drying Temperature	70.0 °C	158 °F	Pre drying temperature
Dry Time	2 hour	2 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

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