

Total Lacqrene® 852 High Impact Polystyrene (discontinued **)

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

LACQRENE® 852 is a flame retardant, high impact polystyrene, halogen free, with excellent thermal stability. Application Copier, Fax, Printers, Television, decoders, Hi-Fi 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-852-High-Impact-Polystyrene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 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	4.0 g/10 min	4.0 g/10 min	ISO 1133H
	@Load 5.00 kg, Temperature 200 °C	@Load 11.0 lb, Temperature 392 °F	
	12 g/10 min	12 g/10 min	ISO 1133H
	@Load 5.00 kg, Temperature 200 °C	@Load 11.0 lb, Temperature 392 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	28.0 MPa	4060 psi	ISO 527-2
Tensile Strength, Yield	32.0 MPa	4640 psi	ISO 572-2
Elongation at Break	40 %	40 %	ISO 527-2
Flexural Modulus	2.50 GPa	363 ksi	ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	ISO 180/1A
Charpy Impact, Notched	0.550 J/cm ²	2.62 ft-lb/in ²	ISO 1791/eU

Thermal Properties	Metric	English	Comments
Vicat Softening Point	81.0 °C	178 °F	50N (T° increase = 5°C/h); ISO 306B50
	90.0 °C	194 °F	10N (T° increase = 50°C/h); ISO 306A50

Processing Properties	Metric	English	Comments
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Processing Temperature
Processing Properties

≤ 270 °C
Metric

≤ 518 °F
English

Comments

Contact Songhan Plastic Technology Co.,Ltd.

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