

Total Lacqrene® 740 High Impact Polystyrene (discontinued **)

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

LACQRENE® alpha 740 is a high gloss, high impact grade of polystyrene. Application White goods (washing machines, driers), Toys and games, Garden equipment, All applications needing high gloss with good impact strength 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-740-High-Impact-Polystyrene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 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	7.0 g/10 min	7.0 g/10 min	ISO 1133H
	@Load 5.00 kg, Temperature 200 °C	@Load 11.0 lb, Temperature 392 °F	
	65 g/10 min	65 g/10 min	ISO 1133H
	@Load 5.00 kg, Temperature 200 °C	@Load 11.0 lb, Temperature 392 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	75	75	ISO 2039-2
Tensile Strength at Break	23.0 MPa	3340 psi	ISO 527-2
Tensile Strength, Yield	29.0 MPa	4210 psi	ISO 527-2
Elongation at Break	49 %	49 %	ISO 527-2
Flexural Modulus	2.10 GPa	305 ksi	ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m ²	4.76 ft-lb/in ²	ISO 180/1A

Thermal Properties	Metric	English	Comments
CTE, linear	91.0 µm/m-°C	50.6 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	Annealed; ISO 75-2A
Vicat Softening Point	97.0 °C	207 °F	10N (T° increase = 50°C/h); ISO 306A50

Thermal Properties	Metric	English	Comments
Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	$\geq 1.00 \times 10^{13}$ ohm	$\geq 1.00 \times 10^{13}$ ohm	ISO IEC93
Dielectric Strength	150 kV/mm	3810 kV/in	

Processing Properties	Metric	English	Comments
Processing Temperature	≤ 260 °C	≤ 500 °F	

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