

Total Lacqrene® 1240 Crystal Polystyrene (discontinued **)

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

LACQRENE® 1240 is a high molecular weight crystal polystyrene, used in the dilution of high impact grades of polystyrene such as LACQRENE® 7240 or clear impact polystyrene such as Finaclear 520. LACQRENE® 1240 is designed to give excellent processing characteristics in combination with LACQRENE® 7240 and to give excellent dimension ability and improved mechanical performance over conventional crystals. When used pure, LACQRENE® 1240 is processed by extrusion and inline thermoforming or injection molding. Application Clear/colored cups, Objects by dilution with CLIPS/HIPS by extrusion thermoforming. Foamed polystyrene trays, Shower screens, Products with excellent mechanical properties obtained by injection molding. 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-1240-Crystal-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	2.6 g/10 min @Load 5.00 kg, Temperature 200 °C	2.6 g/10 min @Load 11.0 lb, Temperature 392 °F	ISO 1133H

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell L	70	70	ISO 2039-2
Tensile Strength at Break	44.0 MPa	6380 psi	ISO 527-2
Elongation at Break	2.5 %	2.5 %	ISO 527-2
Tensile Modulus	3.10 GPa	450 ksi	ISO 527-2
Flexural Modulus	2.90 GPa	421 ksi	ISO 178
Charpy Impact Unnotched	0.800 J/cm ²	3.81 ft-lb/in ²	ISO 179/1eU

Thermal Properties	Metric	English	Comments
CTE, linear	71.0 µm/m-°C @Temperature 20.0 °C	39.4 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	89.0 °C	192 °F	Annealed; ISO 75-2A

Deflection Temperature at 1.8 MPa (100 psi) Thermal Properties	76.0 °C Metric	169 °F English	Unannealed; ISO 75-2A Comments
Vicat Softening Point	92.0 °C	198 °F	50N (T° increase = 5°C/h); ISO 306B50
	97.0 °C	207 °F	10N (T° increase = 50°C/h); ISO 306A50

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	>= 1.00e+14 ohm	>= 1.00e+14 ohm	ISO IEC93
Dielectric Strength	135 kV/mm	3430 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