

Total Finaclear® 530 Clear Impact Polystyrene (discontinued **)

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

Finaclear® 530 is a clear high styrenic styrene-butadiene (SBS) elastomer, providing dramatically improved impact properties and tear resistance to finished articles, when used in blends with other styrenic polymers such as GPPS. Complemented by inherent reprocessing and recycling capability, Finaclear® 530 is a well established material in both food and non-food transparent packaging applications. Finaclear® 530 complies with most of the food regulations in European countries and with the Food and Drug Administration (FDA) in the USA. Application Finaclear® 530 is designed for mono- and multilayer sheet extrusion/thermoforming, cast and blown film extrusion. Due to its specific structure and the well balanced styrene/butadiene ratio, Finaclear® 530 is the material of choice to reach an optimal balance between high impact, good clarity, brilliancy and cost. Information 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-Finaclear-530-Clear-Impact-Polystyrene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Bulk Density	0.620 g/cc	0.0224 lb/in ³	ASTM D1895B
Density	1.02 g/cc	0.0368 lb/in ³	Finaprene 2602 Method
Melt Index of Compound	11 g/10 min @Load 5.00 kg, Temperature 200 °C	11 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238G

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	25.0 MPa	3630 psi	ASTM D638
Elongation at Break	<= 200 %	<= 200 %	ASTM D638
Flexural Modulus	1.20 GPa	174 ksi	ASTM D790
Izod Impact, Notched	0.200 J/cm	0.375 ft-lb/in	ASTM D256A
	0.240 J/cm @Temperature -30.0 °C	0.450 ft-lb/in @Temperature -22.0 °F	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	67.0 °C	153 °F	120°C/h; ASTM D648
Vicat Softening Point	82.0 °C	180 °F	ASTM D1252

Optical Properties	Metric	English	Comments
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Haze Optical Properties	3.0 % Metric	3.0 % English	ASTM D1003 Comments
Transmission, Visible	91 %	91 %	ASTM D1003

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