

Ineos ABS Lustran® ABS 595CP Refrigeration and Extrusion Grade

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Extruded

Material Notes:

Lustran® ABS 595CP is refrigeration and extrusion grade, resistant to cyclopentane, and has high impact strength.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-ABS-Lustran-ABS-595CP-Refrigeration-and-Extrusion-Grade.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ISO 1183
Melt Flow	3.0 g/10 min @Load 10.0 kg, Temperature 220 °C	3.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ISO 2039-2
Tensile Strength at Break	38.0 MPa	5510 psi	50 mm/min; ISO 527-1,-2
Tensile Strength, Yield	46.0 MPa	6670 psi	50 mm/min; ISO 527-1,-2
Elongation at Break	>= 25 %	>= 25 %	50 mm/min; acc. ISO 527-1,-2
Tensile Modulus	2.55 GPa	370 ksi	1 mm/min; ISO 527-1,-2
Flexural Strength	70.0 MPa	10200 psi	2 mm/min; ISO 178
Flexural Modulus	2.40 GPa	348 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	11.0 kJ/m ² @Temperature -30.0 °C	5.23 ft-lb/in ² @Temperature -22.0 °F	ISO 180-1A
	15.0 kJ/m ² @Temperature -20.0 °C	7.14 ft-lb/in ² @Temperature -4.00 °F	ISO 180-1A
	25.0 kJ/m ² @Temperature 23.0 °C	11.9 ft-lb/in ² @Temperature 73.4 °F	ISO 180-1A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	100 °C	212 °F	ISO 75-1,-2
Deflection Temperature at 1.8 MPa	96.0 °C	205 °F	

(264 psi) Thermal Properties	Metric	English	ISO 75-1-2 Comments
Vicat Softening Point	102 Â°C @Load 5.10 kg	216 Â°F @Load 11.2 lb	120Â°C/hour; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Optical Properties	Metric	English	Comments
Gloss	90 %	90 %	Angle 60Â°; ISO 2813

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