

Ineos ABS Lustran® 356 Extrusion, Low-Gloss (discontinued **)

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

Material Notes:

Properties tested in transverse direction (worst case) on 125-mil (3.2 mm) extruded sheets specimens with

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-ABS-Lustran-356-Extrusion-Low-Gloss-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ASTM D792
Melt Flow	7.0 g/10 min @Load 10.0 kg, Temperature 230 °C	7.0 g/10 min @Load 22.0 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength, Yield	26.0 MPa	3770 psi	ASTM D638
Tensile Modulus	2.10 GPa	305 ksi	ASTM D638
Flexural Yield Strength	47.6 MPa	6900 psi	ASTM D790
Flexural Modulus	2.00 GPa	290 ksi	ASTM D790
Izod Impact, Notched	1.30 J/cm @Thickness 3.17 mm	2.44 ft-lb/in @Thickness 0.125 in	ASTM D256
	0.500 J/cm @Thickness 3.17 mm, Temperature -40.0 °C	0.937 ft-lb/in @Thickness 0.125 in, Temperature -40.0 °F	ASTM D256
Impact Test	31.0 J @Thickness 2.50 mm	22.9 ft-lb @Thickness 0.0984 in	Instrumented Impact, Total Energy; 2.5 mm thick, 7.6 mph, 3 in. clamp, 0.5 in. dart; ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear	83.0 µm/m-°C @Temperature 20.0 °C	46.1 µin/in-°F @Temperature 68.0 °F	Injection molded sample; ASTM D696
UL RTI, Electrical	60.0 °C @Thickness 1.60 mm	140 °F @Thickness 0.0630 in	UL746B
UL RTI, Mechanical with Impact	60.0 °C	140 °F	UL746B

Thermal Properties	@Thickness 1.60 mm Metric	@Thickness 0.0630 in English	Comments
UL RTI, Mechanical without Impact	60.0 °C @Thickness 1.60 mm	140 °F @Thickness 0.0630 in	UL746B
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	
	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

Optical Properties	Metric	English	Comments
Gloss	25 %	25 %	60°; Sheet; ASTM D523
Transmission, Visible	0.00 %	0.00 %	Opaque only

Processing Properties	Metric	English	Comments
Melt Temperature	215 - 240 °C	419 - 464 °F	

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