

Ineos ABS Lustran® 1148 General Purpose, High-Impact (discontinued **)

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

Material Notes:

Information provided by Bayer Corporation, Plastics Division LANXESS was spun-off from Bayer in early 2005. Business renamed Ineos ABS after INEOS acquires a majority shareholding under a JV with Lanxess in 2007. Subsequently Ineos acquired 100% of Ineos ABS. This product is no longer listed as a standard NAFTA product.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-ABS-Lustran-1148-General-Purpose-High-Impact-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	ASTM D955
Melt Flow	1.0 g/10 min @Load 3.80 kg, Temperature 230 °C	1.0 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	
Tensile Strength, Yield	37.0 MPa	5370 psi	ASTM D638
Tensile Modulus	2.30 GPa	334 ksi	ASTM D638
Flexural Yield Strength	64.8 MPa	9400 psi	ASTM D790
Flexural Modulus	2.40 GPa	348 ksi	ASTM D790
Izod Impact, Notched	4.80 J/cm @Thickness 3.17 mm	8.99 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	92.0 µm/m-°C @Temperature 20.0 °C	51.1 µin/in-°F @Temperature 68.0 °F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	87.0 °C @Thickness 12.7 mm	189 °F @Thickness 0.500 in	Unannealed; ASTM D648
Vicat Softening Point	106 °C	223 °F	Rate B; ASTM D1525
UL RTI, Electrical	60.0 °C @Thickness 1.60 mm	140 °F @Thickness 0.0630 in	UL746B

Thermal Properties UL RTI, Mechanical with Impact	60.0 °C Metric	140 °F English	Comments UL 746B
	@Thickness 1.60 mm	@Thickness 0.0630 in	
UL RTI, Mechanical without Impact	60.0 °C @Thickness 1.60 mm	140 °F @Thickness 0.0630 in	UL 746B
Flammability, UL94	HB @Thickness 1.57 mm	HB @Thickness 0.0618 in	
	HB @Thickness 1.57 mm	HB @Thickness 0.0618 in	

Optical Properties	Metric	English	Comments
Transmission, Visible	0.00 %	0.00 %	Opaque only

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