

Ineos ABS Lustran® 452 (discontinued **)

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

Material Notes:

Key Features:UnfilledSuitable processing methods:Sheet extrusionThermoformingInformation provided by Bayer Polymers.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.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-ABS-Lustran-452-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	
Melt Flow	3.5 g/10 min @Load 10.0 kg, Temperature 220 °C	3.5 g/10 min @Load 22.0 lb, Temperature 428 °F	cm ³ /10 min.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	40.0 MPa	5800 psi	
Elongation at Break	25 %	25 %	Nominal Strain
Elongation at Yield	3.6 %	3.6 %	
Tensile Modulus	2.27 GPa	329 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	90.0 µm/m-°C @Temperature 20.0 °C	50.0 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	93.0 °C	199 °F	
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	UL Recognized
	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	UL Recognized

Processing Properties	Metric	English	Comments
Melt Temperature	250 °C	482 °F	Injection Molding

Processing Properties	Metric	English	Comments
Injection Velocity	200 mm/sec	7.87 in/sec	
Injection Pressure	55.0 MPa	7980 psi	

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