

Ineos ABS Lustran® 1152

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

Material Notes:

Key Features: Unfilled High impact or high impact modified Suitable processing methods: Sheet extrusion Thermoforming

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-ABS-Lustran-1152.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	31.0 MPa	4500 psi	
Elongation at Break	40 %	40 %	Nominal
Elongation at Yield	3.5 %	3.5 %	
Tensile Modulus	1.52 GPa	220 ksi	
Charpy Impact, Notched	5.40 J/cm ²	25.7 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	104 µm/m-°C @Temperature 20.0 °C	57.8 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	89.0 °C	192 °F	
Deflection Temperature at 1.8 MPa (264 psi)	78.0 °C	172 °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
Mold Temperature	60.0 °C	140 °F	Injection Molding
Injection Velocity	200 mm/sec	7.87 in/sec	

Injection Pressure Processing Properties	55.0 MPa Metric	7980 psi English	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China