

Ineos ABS Lustran® 556

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

Material Notes:

Key Features: Unfilled Suitable processing methods: Sheet extrusion Thermoforming

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-ABS-Lustran-556.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	
Melt Flow	6.0 g/10 min @Load 10.0 kg, Temperature 220 °C	6.0 g/10 min @Load 22.0 lb, Temperature 428 °F	cm ³ /10 min.

Mechanical Properties	Metric	English	Comments
Tensile Modulus	1.52 GPa	220 ksi	
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	97.0 μm/m-°C @Temperature 20.0 °C	53.9 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)	80.0 °C	176 °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	55.0 MPa	7980 psi	

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