

Ineos ABS Lustran® 348

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

Material Notes:

Key Features: Unfilled Suitable processing methods: Injection molding

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-ABS-Lustran-348.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	
Melt Flow	17 g/10 min @Load 10.0 kg, Temperature 220 °C	17 g/10 min @Load 22.0 lb, Temperature 428 °F	cm ³ /10 min.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	48.2 MPa	6990 psi	
Elongation at Break	25 %	25 %	Nominal
Elongation at Yield	3.5 %	3.5 %	
Tensile Modulus	2.62 GPa	380 ksi	
Charpy Impact, Notched	2.20 J/cm ²	10.5 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	81.0 µm/m-°C @Temperature 20.0 °C	45.0 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	92.0 °C	198 °F	
Deflection Temperature at 1.8 MPa (264 psi)	84.0 °C	183 °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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