

Ineos ABS Lustran® LGA

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

Material Notes:

Key Features:UnfilledSuitable processing methods:Injection molding

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	
Melt Flow	22 g/10 min @Load 10.0 kg, Temperature 220 °C	22 g/10 min @Load 22.0 lb, Temperature 428 °F	cm ³ /10 min.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	36.5 MPa	5290 psi	
Elongation at Break	14 %	14 %	Nominal
Elongation at Yield	3.3 %	3.3 %	
Tensile Modulus	2.20 GPa	319 ksi	
Charpy Impact, Notched	1.80 J/cm ²	8.57 ft-lb/in ²	
	0.600 J/cm ² @Temperature -30.0 °C	2.86 ft-lb/in ² @Temperature -22.0 °F	

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)	90.0 °C	194 °F	
Deflection Temperature at 1.8 MPa (264 psi)	76.0 °C	169 °F	
Vicat Softening Point	96.0 °C	205 °F	50°C/h 50N
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	UL Recognized
	HB	HB	

Thermal Properties	Metric @ Thickness 3.00 mm	English @ Thickness 0.118 in	UL Recognized Comments
Processing Properties	Metric	English	Comments
Melt Temperature	250 Å°C	482 Å°F	Injection Molding
Mold Temperature	60.0 Å°C	140 Å°F	Injection Molding
Injection Velocity	200 mm/sec	7.87 in/sec	
Injection Pressure	55.0 MPa	7980 psi	

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