

Ineos ABS Lustran® Elite HH 1827

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

Material Notes:

Key Features: Unfilled Heat stabilized or stable to heat Suitable processing methods: Injection molding

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-ABS-Lustran-Elite-HH-1827.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	
Melt Flow	13 g/10 min @Load 10.0 kg, Temperature 220 °C	13 g/10 min @Load 22.0 lb, Temperature 428 °F	cm ³ /10 min.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	39.3 MPa	5700 psi	
Elongation at Break	25 %	25 %	Nominal
Elongation at Yield	3.5 %	3.5 %	
Tensile Modulus	2.30 GPa	334 ksi	
Charpy Impact, Notched	1.90 J/cm ²	9.04 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	83.0 µm/m-°C @Temperature 20.0 °C	46.1 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C	203 °F	
Deflection Temperature at 1.8 MPa (264 psi)	79.0 °C	174 °F	
Vicat Softening Point	101 °C	214 °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
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Processing Properties	Metric	English	Comments
Melt Temperature	250 Â°C	482 Â°F	Injection Molding
Mold Temperature	60.0 Â°C	140 Â°F	Injection Molding
Injection Velocity	200 mm/sec	7.87 in/sec	
Injection Pressure	55.0 MPa	7980 psi	

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