

Ineos ABS Lustran® Elite HH 1891

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-1891.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	
Melt Flow	7.2 g/10 min @Load 10.0 kg, Temperature 220 °C	7.2 g/10 min @Load 22.0 lb, Temperature 428 °F	cm ³ /10 min.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	42.9 MPa	6220 psi	
Elongation at Break	35 %	35 %	Nominal
Elongation at Yield	4.0 %	4.0 %	
Tensile Modulus	2.05 GPa	297 ksi	
Charpy Impact, Notched	2.00 J/cm ²	9.52 ft-lb/in ²	
	0.590 J/cm ² @Temperature -30.0 °C	2.81 ft-lb/in ² @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	79.0 µm/m-°C @Temperature 20.0 °C	43.9 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	101 °C	214 °F	
Deflection Temperature at 1.8 MPa (264 psi)	86.0 °C	187 °F	
Vicat Softening Point	106 °C	223 °F	50°C/h 50N

Processing Properties	Metric	English	Comments
Melt Temperature	250 °C	482 °F	Injection Molding

Mold Temperature Processing Properties	60.0 Å°C Metric	140 Å°F English	Injection Molding Comments
Injection Velocity	200 mm/sec	7.87 in/sec	
Injection Pressure	55.0 MPa	7980 psi	

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