

Ineos ABS Lustran® ABS 150G22 20% Glass Fiber Reinforced Grade

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), 20% Glass Fiber Filled

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-ABS-Lustran-ABS-150G22-20-Glass-Fiber-Reinforced-Grade.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ISO 1183
Linear Mold Shrinkage, Transverse	0.0020 - 0.0030 cm/cm	0.0020 - 0.0030 in/in	Test Condition: 60x60x2; ISO 294-4
Melt Flow	8.0 g/10 min @Load 10.0 kg, Temperature 220 °C	8.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	88.0 MPa	12800 psi	50 mm/min; ISO 527-1,-2
Elongation at Break	5.0 %	5.0 %	50 mm/min; acc. ISO 527-1,-2
Tensile Modulus	6.20 GPa	899 ksi	1 mm/min; ISO 527-1,-2
Flexural Strength	120 MPa	17400 psi	2 mm/min; ISO 178
Flexural Modulus	5.50 GPa	798 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	16.0 kJ/m ²	7.61 ft-lb/in ²	ISO 180-1A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	111 °C	232 °F	ISO 75-1,-2
Deflection Temperature at 1.8 MPa (264 psi)	115 °C	239 °F	ISO 75-1,-2
Vicat Softening Point	106 °C @Load 5.10 kg	223 °F @Load 11.2 lb	120 °C/hour; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

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