

Bhansali Engineering Abstron IMG-1115 Glass Reinforced Grade

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Glass Reinforced ABS & SAN Resins for product specific requirement of very high rigidity and temperature Information provided by Bhansali

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bhansali-Engineering-Abstron-IMG-1115-Glass-Reinforced-Grade.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	ASTM D-792
Filler Content	15 %	15 %	Glass
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	ASTM D-955
Melt Flow	15 g/10 min @Load 10.0 kg, Temperature 220 °C	15 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D-1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	ASTM D-785
Tensile Strength, Yield	56.9 MPa @Thickness 3.20 mm	8250 psi @Thickness 0.126 in	Type 1, 5 mm/min; ASTM D-638
Flexural Yield Strength	80.4 MPa @Thickness 6.40 mm	11700 psi @Thickness 0.252 in	ASTM D-790
Flexural Modulus	3.92 GPa @Thickness 6.40 mm	569 ksi @Thickness 0.252 in	ASTM D-790
Izod Impact, Notched	0.588 J/cm @Thickness 6.40 mm	1.10 ft-lb/in @Thickness 0.252 in	ASTM D-256
	0.686 J/cm @Thickness 3.20 mm	1.29 ft-lb/in @Thickness 0.126 in	ASTM D-256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	105 °C	221 °F	Method A - Annealed; ASTM D-648
Vicat Softening Point	115 °C	239 °F	Method B; ASTM D-1525
Flammability, UL94	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	UL-94

Thermal Properties

Metric

English

Comments

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