

Bhansali Engineering Abstron IM-14S ABS Very High Rigidity Injection Molding Grade

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Very High Rigidity, High Gloss, Medium Impact with excellent other mechanical properties Information provided by Bhansali

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bhansali-Engineering-Abstron-IM-14S-ABS-Very-High-Rigidity-Injection-Molding-Grade.php

Physical Properties	Metric	English	Comments
Density	1.045 g/cc	0.03775 lb/in ³	ASTM D-792
Linear Mold Shrinkage	0.0040 - 0.0050 cm/cm	0.0040 - 0.0050 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	113	113	ASTM D-785
Tensile Strength, Yield	47.1 MPa @Thickness 3.20 mm	6830 psi @Thickness 0.126 in	Type 1; ASTM D-638
Flexural Yield Strength	68.6 MPa @Thickness 6.40 mm	9960 psi @Thickness 0.252 in	ASTM D-790
Flexural Modulus	2.30 GPa @Thickness 6.40 mm	334 ksi @Thickness 0.252 in	ASTM D-790
Izod Impact, Notched	1.275 J/cm @Thickness 6.40 mm	2.388 ft-lb/in @Thickness 0.252 in	ASTM D-256
	1.5686 J/cm @Thickness 3.20 mm	2.9386 ft-lb/in @Thickness 0.126 in	ASTM D-256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	94.0 °C	201 °F	Method A - Annealed; ASTM D-648
Vicat Softening Point	105 °C	221 °F	Method B; ASTM D-1525
Flammability, UL94	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	UL-94

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