

## Bhansali Engineering Abstron SHF-50+M ABS Injection Molding Grade

Category : Polymer , Thermoplastic , ABS Polymer

**Material Notes:**

High Flow High Gloss, Fancy Applications Information provided by Bhansali

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Bhansali-Engineering-Abstron-SHF-50M-ABS-Injection-Molding-Grade.php](http://www.lookpolymers.com/polymer_Bhansali-Engineering-Abstron-SHF-50M-ABS-Injection-Molding-Grade.php)

Physical Properties	Metric	English	Comments
Density	1.045 g/cc	0.03775 lb/in <sup>3</sup>	ASTM D-792
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D-955
Melt Flow	48 g/10 min @Load 10.0 kg, Temperature 220 °C	48 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	46.1 MPa @Thickness 3.20 mm	6680 psi @Thickness 0.126 in	Type 1; ASTM D-638
Flexural Yield Strength	65.7 MPa @Thickness 6.40 mm	9530 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	1.47 J/cm @Thickness 6.40 mm	2.76 ft-lb/in @Thickness 0.252 in	ASTM D-256
	1.7647 J/cm @Thickness 3.20 mm	3.3060 ft-lb/in @Thickness 0.126 in	ASTM D-256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	93.0 °C	199 °F	Method A - Annealed; ASTM D-648
Vicat Softening Point	103 °C	217 °F	Method B; ASTM D-1525

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