

Bhansali Engineering Abstron MIF45EP ABS Injection Molding Grade

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Molded

Material Notes:

Electroplating, High Flow Information provided by Bhansali

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bhansali-Engineering-Abstron-MIF45EP-ABS-Injection-Molding-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.045 g/cc	1.045 g/cc	ASTM D792
Linear Mold Shrinkage	0.00400 - 0.00600 cm/cm	0.00400 - 0.00600 in/in	ASTM D955
Melt Flow	43.0 g/10 min @Load 10.0 kg, Temperature 220 °C	43.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Yield	41.2 MPa @Thickness 3.20 mm	5970 psi @Thickness 0.126 in	Type I, 5 mm/min; ASTM D638
Flexural Yield Strength	63.7 MPa @Thickness 6.40 mm	9250 psi @Thickness 0.252 in	5 mm/min; ASTM D790
Flexural Modulus	2.21 GPa @Thickness 6.40 mm	320 ksi @Thickness 0.252 in	5 mm/min; ASTM D790
Izod Impact, Notched	2.16 J/cm @Thickness 6.40 mm	4.04 ft-lb/in @Thickness 0.252 in	ASTM D256
	2.75 J/cm @Thickness 3.20 mm	5.14 ft-lb/in @Thickness 0.126 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	93.0 °C @Thickness 6.40 mm	199 °F @Thickness 0.252 in	Method A; ASTM D648
Flammability, UL94	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	

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