

Bhansali Engineering Abstron IM-17 A EP ABS Electro Plating Applications

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Plating Grade

Material Notes:

Electroplating & Hot Stamping Grades Information provided by Bhansali

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bhansali-Engineering-Abstron-IM-17-A-EP-ABS-Electro-Plating-Applications.php

Physical Properties	Metric	English	Comments
Density	1.045 g/cc	0.03775 lb/in ³	ASTM D-792
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D-955
Melt Flow	45 g/10 min @Load 10.0 kg, Temperature 220 °C	45 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D-1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D-785
Tensile Strength, Yield	41.7 MPa @Thickness 3.20 mm	6040 psi @Thickness 0.126 in	Type 1, 5 mm/min speed; ASTM D-638
Flexural Yield Strength	58.8 MPa @Thickness 6.40 mm	8530 psi @Thickness 0.252 in	ASTM D-790
Flexural Modulus	1.96 GPa @Thickness 6.40 mm	284 ksi @Thickness 0.252 in	ASTM D-790
Izod Impact, Notched	1.8627 J/cm @Thickness 6.40 mm	3.4896 ft-lb/in @Thickness 0.252 in	ASTM D-256
	2.2549 J/cm @Thickness 3.20 mm	4.2244 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	104 °C	219 °F	Method B; ASTM D-1525
Flammability, UL94	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	UL-94

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