

Bhansali Engineering Abstron IM21G ABS Injection Molding Grade

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

Material Notes:

Super High Gloss, Medium Impact Information provided by Bhansali

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bhansali-Engineering-Abstron-IM21G-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	30.0 g/10 min @Load 10.0 kg, Temperature 220 °C	30.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	108	108	ASTM D785
Tensile Strength, Yield	45.1 MPa @Thickness 3.20 mm	6540 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	2.16 GPa @Thickness 6.40 mm	313 ksi @Thickness 0.252 in	5 mm/min; ASTM D790
Izod Impact, Notched	1.77 J/cm @Thickness 6.40 mm	3.31 ft-lb/in @Thickness 0.252 in	ASTM D256
	2.26 J/cm @Thickness 3.20 mm	4.22 ft-lb/in @Thickness 0.126 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	94.0 °C @Thickness 6.40 mm	201 °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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