

Bhansali Engineering Abstron HI-34 ABS High Impact Injection Molding

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Very High & Medium Impact, Paintable Automotive Grades Information provided by Bhansali

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bhansali-Engineering-Abstron-HI-34-ABS-High-Impact-Injection-Molding.php

Physical Properties	Metric	English	Comments
Density	1.045 g/cc	0.03775 lb/in ³	ASTM D-792
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D-955
Melt Flow	20 g/10 min	20 g/10 min	ASTM D-1238
	@Load 10.0 kg, Temperature 220 °C	@Load 22.0 lb, Temperature 428 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D-785
Tensile Strength, Yield	38.2 MPa	5550 psi	Type 1, 5 mm/min speed; ASTM D-638
	@Thickness 3.20 mm	@Thickness 0.126 in	
Flexural Yield Strength	56.39 MPa	8178 psi	ASTM D-790
	@Thickness 6.40 mm	@Thickness 0.252 in	
Flexural Modulus	2.01 GPa	292 ksi	ASTM D-790
	@Thickness 6.40 mm	@Thickness 0.252 in	
Izod Impact, Notched	3.4314 J/cm	6.4284 ft-lb/in	ASTM D-256
	@Thickness 6.40 mm	@Thickness 0.252 in	
	4.4118 J/cm	8.2651 ft-lb/in	ASTM D-256
	@Thickness 3.20 mm	@Thickness 0.126 in	

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	103 °C	217 °F	Method B; ASTM D-1525
Flammability, UL94	HB	HB	UL-94
	@Thickness 3.20 mm	@Thickness 0.126 in	

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