

Bhansali Engineering Abstron IMC-45V ABS-PC Alloy

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

ABS-polycarbonate alloys for High service temperature applications. Information provided by Bhansali

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bhansali-Engineering-Abstron-IMC-45V-ABS-PC-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ASTM D-792
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D-955
Melt Flow	9.0 g/10 min @Load 10.0 kg, Temperature 220 °C	9.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D-1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	ASTM D-785
Tensile Strength, Yield	58.8 MPa @Thickness 3.20 mm	8530 psi @Thickness 0.126 in	Type 1; 5mm/min; ASTM D638
Flexural Yield Strength	88.3 MPa @Thickness 6.40 mm	12800 psi @Thickness 0.252 in	ASTM D790
Flexural Modulus	2.40 GPa @Thickness 6.40 mm	348 ksi @Thickness 0.252 in	ASTM D790
Izod Impact, Notched	4.90 J/cm @Thickness 6.40 mm	9.18 ft-lb/in @Thickness 0.252 in	ASTM D256
	6.37 J/cm @Thickness 3.20 mm	11.9 ft-lb/in @Thickness 0.126 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	120 °C	248 °F	Method A - Annealed; ASTM D-648
Vicat Softening Point	130 °C	266 °F	Method B; ASTM D-1525
Flammability, UL94	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	UL-94

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China