

Bhansali Engineering Abstron SE-22 FR Flame Retardant ABS Grade

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Information provided by Bhansali

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bhansali-Engineering-Abstron-SE-22-FR-Flame-Retardant-ABS-Grade.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 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	26 g/10 min @Load 10.0 kg, Temperature 220 °C	26 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D-1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	106	106	ASTM D-785
Tensile Strength, Yield	37.3 MPa @Thickness 3.20 mm	5400 psi @Thickness 0.126 in	Type 1; 5mm/min; ASTM D638
Flexural Yield Strength	57.9 MPa @Thickness 6.40 mm	8390 psi @Thickness 0.252 in	ASTM D790
Flexural Modulus	2.16 GPa @Thickness 6.40 mm	313 ksi @Thickness 0.252 in	ASTM D790
Izod Impact, Notched	1.96 J/cm @Thickness 6.40 mm	3.67 ft-lb/in @Thickness 0.252 in	ASTM D256
	2.25 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)	82.0 °C	180 °F	Method A - Annealed; ASTM D-648
Vicat Softening Point	95.0 °C	203 °F	Method B; ASTM D-1525
Flammability, UL94	V-0	V-0	3.2 mm; Certified at 1.6 mm; UL-94

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