

Bhansali Engineering Abstron SE32 FR IS15061 Flame Retardant ABS

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Unreinforced, Flame Retardant

Material Notes:

Flame Retardant- IS 15061 conformed Information provided by Bhansali

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bhansali-Engineering-Abstron-SE32-FR-IS15061-Flame-Retardant-ABS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	ASTM D792
Linear Mold Shrinkage	0.00400 - 0.00600 cm/cm	0.00400 - 0.00600 in/in	ASTM D955
Melt Flow	12.0 g/10 min @Load 10.0 kg, Temperature 220 °C	12.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	37.3 MPa @Thickness 3.20 mm	5400 psi @Thickness 0.126 in	Type I, 5 mm/min; ASTM D638
Flexural Yield Strength	58.8 MPa @Thickness 6.40 mm	8530 psi @Thickness 0.252 in	5 mm/min; ASTM D790
Flexural Modulus	1.77 GPa @Thickness 6.40 mm	256 ksi @Thickness 0.252 in	5 mm/min; ASTM D790
Izod Impact, Notched	2.45 J/cm @Thickness 6.40 mm	4.59 ft-lb/in @Thickness 0.252 in	ASTM D256
	2.94 J/cm @Thickness 3.20 mm	5.51 ft-lb/in @Thickness 0.126 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	92.0 °C @Thickness 6.40 mm	198 °F @Thickness 0.252 in	Method A; ASTM D648
Flammability, UL94	HB @Thickness 2.00 mm	HB @Thickness 0.0787 in	<100 mm/min; IS-15061
	V-0	V-0	

Thermal Properties

Metric
@ Thickness 3.20 mm

English
@ Thickness 0.126 in

< 100 mm/min; IS-15061
Comments

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