

Bhansali Engineering Abstron AN450N Flame Retardant ABS

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

Material Notes:

Flame Retardant- V0 at 2.0mm Information provided by Bhansali

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bhansali-Engineering-Abstron-AN450N-Flame-Retardant-ABS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 g/cc	ASTM D792
Linear Mold Shrinkage	0.00400 - 0.00600 cm/cm	0.00400 - 0.00600 in/in	ASTM D955
Melt Flow	35.0 g/10 min @Load 10.0 kg, Temperature 220 °C	35.0 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	39.2 MPa @Thickness 3.20 mm	5690 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	2.06 GPa @Thickness 6.40 mm	299 ksi @Thickness 0.252 in	5 mm/min; ASTM D790
Izod Impact, Notched	1.67 J/cm @Thickness 6.40 mm	3.12 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)	86.0 °C @Thickness 6.40 mm	187 °F @Thickness 0.252 in	Method A; ASTM D648
Flammability, UL94	V-0 @Thickness 2.00 mm	V-0 @Thickness 0.0787 in	
	5VB	5VB	

Thermal Properties	Metric @ Thickness 2.50 mm	English @ Thickness 0.0984 in	Comments
	5VA	5VA	
	@Thickness 2.00 mm	@Thickness 0.0787 in	

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