

Multibase Multi-ABS 2945 FR Flame Retardant ABS

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

Material Notes:

Data provided by Multibase.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-ABS-2945-FR-Flame-Retardant-ABS.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in ³	ASTM D792-91
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D955-89
Melt Flow	5.0 g/10 min	5.0 g/10 min	(Condition I) ASTM D-1238-94a

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	38.6 MPa	5600 psi	ASTM D638-95
Elongation at Break	40 %	40 %	ASTM D638-95
Flexural Modulus	2.00 GPa	290 ksi	Method 1, Proc. B; ASTM D-790-95
Izod Impact, Notched	2.14 J/cm	4.01 ft-lb/in	ASTM D256-93a

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	161 °C	322 °F	injection molded unannealed; ASTM D-648-95
	195 °C	383 °F	compression molded annealed; ASTM D-648-95
	196 °C	385 °F	injection molded annealed; ASTM D-648-95
Vicat Softening Point	102 °C	216 °F	ASTM D1525-95
Flammability, UL94	V-0	V-0	5V
	@Thickness 3.17 mm	@Thickness 0.125 in	
	V-0	V-0	
	@Thickness 1.59 mm	@Thickness 0.0625 in	

Optical Properties	Metric	English	Comments
Gloss	50 - 60 %	50 - 60 %	ASTM D2457-90

Electrical Properties	Metric	English	Comments
Dielectric Strength	35.4 kV/mm	899 kV/in	ASTM D149-95

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