

A. Schulman POLYFLAM™ RPP 1360 Non-Halogenated Homopolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Flame Retardant

Material Notes:

Description Polyflam® RPP 1360 is a UL 94 V0 rated, non-halogenated homopolymer polypropylene flame retardant compound.

Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-POLYFLAM-RPP-1360-Non-Halogenated-Homopolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.00 g/cc	1.00 g/cc	ASTM D792
Linear Mold Shrinkage	0.012 - 0.014 cm/cm	0.012 - 0.014 in/in	ASTM D955
Melt Flow	12 g/10 min	12 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	28.0 MPa	4060 psi	ASTM D638
Elongation at Break	25 %	25 %	ASTM D638
Flexural Strength	45.0 MPa	6530 psi	ASTM D790
Flexural Modulus	2.00 GPa	290 ksi	ASTM D790
Izod Impact, Notched	0.300 J/cm	0.562 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	85.0 °C	185 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ASTM D648
UL RTI, Electrical	105 °C @Thickness 0.780 mm	221 °F @Thickness 0.0307 in	UL 94
Flammability, UL94	V-0 @Thickness 0.780 mm	V-0 @Thickness 0.0307 in	
	V-0 @Thickness 1.57 mm	V-0 @Thickness 0.0618 in	
	V-0 @Thickness 3.05 mm	V-0 @Thickness 0.120 in	

Thermal Properties	Metric	English	Comments
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