

A. Schulman POLYFLAM™ RPP 1058 General Purpose Homopolymer Polypropylene (30% Fiberglass)

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

Material Notes:

Description Polyflam® RPP 1058 is a general purpose homopolymer polypropylene flame retardant with a UL-V2 flammability rating and 105°C temperature index at 0.030 in. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-POLYFLAM-RPP-1058-General-Purpose-Homopolymer-Polypropylene-30-Fiberglass.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.950 g/cc	0.950 g/cc	ASTM D792
Linear Mold Shrinkage	0.015 - 0.020 cm/cm	0.015 - 0.020 in/in	ASTM D955
Melt Flow	12 g/10 min	12 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	30.0 MPa	4350 psi	ASTM D638
Elongation at Break	200 %	200 %	ASTM D638
Flexural Modulus	1.20 GPa	174 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)	95.0 °C	203 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	ASTM D648
UL RTI, Electrical	105 °C	221 °F	0.030 in; UL 94
Flammability, UL94	V-2	V-2	
	@Thickness 0.780 mm	@Thickness 0.0307 in	
	V-2	V-2	
	@Thickness 1.57 mm	@Thickness 0.0618 in	
	V-2	V-2	
	@Thickness 3.05 mm	@Thickness 0.120 in	

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