

A. Schulman POLYFLAM™ RPP 1021 General Purpose Copolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

Description Polyflam® RPP 1021 is a general purpose copolymer polypropylene flame retardant material with a UL V-2 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-1021-General-Purpose-Copolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.950 g/cc	0.950 g/cc	ASTM D792
Melt Flow	10 g/10 min	10 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.0 MPa	3920 psi	ASTM D638
Elongation at Break	400 %	400 %	ASTM D638
Flexural Modulus	1.00 GPa	145 ksi	ASTM D790
Izod Impact, Notched	1.06 J/cm	1.99 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)	50.0 °C	122 °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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