

A. Schulman POLYFLAM™ RPP 1174 Talc Filled, Homopolymer Polypropylene

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

Material Notes:

Description Polyflam® RPP 1174 is a high performance talc filled homopolymer polypropylene product with UL V0 flammability and 105°C temperature index at 0.81 mm. RPP 1174 is non-dripping and has excellent dimensional stability. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-POLYFLAM-RPP-1174-Talc-Filled-Homopolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	ASTM D792
Linear Mold Shrinkage	0.0090 - 0.012 cm/cm	0.0090 - 0.012 in/in	ASTM D955
Melt Flow	8.0 g/10 min	8.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	22.0 MPa	3190 psi	ASTM D638
Elongation at Break	45 %	45 %	ASTM D638
Flexural Modulus	2.00 GPa	290 ksi	ASTM D790
Izod Impact, Notched	0.270 J/cm	0.506 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	116 °C	241 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	69.0 °C	156 °F	ASTM D648
UL RTI, Electrical	105 °C	221 °F	0.030 inch sample
Flammability, UL94	V-0	V-0	
	@Thickness 0.810 mm	@Thickness 0.0319 in	
	V-0	V-0	
	@Thickness 1.57 mm	@Thickness 0.0618 in	
	V-0	V-0	
	@Thickness 3.05 mm	@Thickness 0.120 in	

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