

A. Schulman PP 1247-01 Polypropylene Homopolymer Polypropylene

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

Material Notes:

Description Polypropylene PP 1247-01 is a homopolymer polypropylene designed for general-purpose injection-molding applications where parts require excellent stiffness. Application Polypropylene PP 1247-01 meets FDA Regulation 21 CFR 177.1250, for all food contact applications. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-PP-1247-01-Polypropylene-Homopolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.902 g/cc	0.902 g/cc	ASTM D792
Melt Index of Compound	4.0 g/10 min	4.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	95	95	ASTM D785
Tensile Strength, Yield	33.1 MPa	4800 psi	ASTM D638
Elongation at Break	12 %	12 %	ASTM D638
Flexural Modulus	1.41 GPa	205 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	115.6 °C	240.1 °F	ASTM D648

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