

A. Schulman PP 2173-01 Polypropylene High-Impact Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Impact Modified; Molded/Extruded

Material Notes:

Description Polypropylene PP 2173-01 is a relatively medium flow, high-impact polypropylene for injection molded parts. Application PP 2173-01 meets FDA Regulation 21 CFR 177.1250 for food contact applications. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-PP-2173-01-Polypropylene-High-Impact-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D792
Melt Index of Compound	12 g/10 min	12 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	65	65	ASTM D785
Tensile Strength, Yield	22.1 MPa	3200 psi	2 in/min; ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Flexural Modulus	0.965 GPa	140 ksi	ASTM D790
Izod Impact, Notched	5.34 J/cm	10.0 ft-lb/in	ASTM D256
Izod Impact, Unnotched	NB	NB	ASTM D256
Gardner Impact	40.7 J	30.0 ft-lb	ASTM D3029
	40.7 J @Temperature -28.9 °C	30.0 ft-lb @Temperature -20.0 °F	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	80.0 °C	176 °F	ASTM D648

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