

A. Schulman PP 3457-01 Copolymer Polypropylene

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

Material Notes:

Description Polypropylene PP 3457-01 is a copolymer polypropylene combining high impact at cold temperatures while maintaining stiffness. Ideal for durables in such applications for the furniture, automotive and appliance industries. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-PP-3457-01-Copolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D792
Melt Index of Compound	10 g/10 min @Temperature 230 °C	10 g/10 min @Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.0 MPa	3480 psi	2 in/min; ASTM D638
Elongation at Break	200 %	200 %	2 in/min; ASTM D638
Flexural Modulus	1.10 GPa	160 ksi	0.05 in.min, tangent; ASTM D790
Izod Impact, Notched	1.87 J/cm	3.50 ft-lb/in	ASTM D256
Gardner Impact	28.24 J	20.83 ft-lb	ASTM D5420
	22.60 J @Temperature -30.0 °C	16.67 ft-lb @Temperature -22.0 °F	ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	80.0 °C	176 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	ASTM D648

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