

A. Schulman PP 1452 Polypropylene Medium Impact Polypropylene

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

Material Notes:

Description Polypropylene PP 1452 is a medium impact polypropylene with a good balance of stiffness and impact resistance. It is stabilized for heat stability, and is chemical resistant. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-PP-1452-Polypropylene-Medium-Impact-Polypropylene.php

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

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	70	70	ASTM D785
Tensile Strength, Yield	25.9 MPa	3750 psi	at 2 in/min; ASTM D638
Elongation at Yield	15 %	15 %	ASTM D638
Flexural Modulus	1.14 GPa	165 ksi	ASTM D790
Izod Impact, Notched	16.0 J/cm	30.0 ft-lb/in	ASTM D256
Izod Impact, Unnotched	NB	NB	ASTM D256
Gardner Impact	22.71 J	16.75 ft-lb	ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	ASTM D648

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