

A. Schulman PP 1404-01 Polypropylene High Impact Polypropylene

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

Material Notes:

Description Polypropylene PP 1404-01 is a medium flow, high-impact polypropylene for injection molded parts. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-PP-1404-01-Polypropylene-High-Impact-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D792
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 °C	20 g/10 min @Load 4.76 lb, Temperature 446 °F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	65	65	ASTM D785
Tensile Strength, Yield	22.1 MPa	3200 psi	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	
	>= 40.7 J @Temperature -28.9 °C	>= 30.0 ft-lb @Temperature -20.0 °F	

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

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