

A. Schulman PP 1102-01 Polypropylene General Purpose, Molding Grade Polypropylene

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

Material Notes:

Description Polypropylene PP 1102-01 is a general purpose, molding grade with UL 94 HB approval for use in large and thin wall applications. Application Polypropylene PP 1102-01 meets FDA Regulation 21 CFR 177.1520 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-1102-01-Polypropylene-General-Purpose-Molding-Grade-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D792
Melt Flow	12 g/10 min	12 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	95	95	ASTM D785
Tensile Strength, Yield	31.7 MPa	4600 psi	ASTM D638
Elongation at Break	8.0 %	8.0 %	ASTM D638
Flexural Modulus	1.31 GPa	190 ksi	ASTM D790
Izod Impact, Notched	0.267 J/cm	0.500 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	160 °C	320 °F	DSC
Deflection Temperature at 0.46 MPa (66 psi)	102 °C	216 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	62.0 °C	144 °F	ASTM D648

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