

M. Holland Company CP400 Polypropylene Copolymer

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

Material Notes:

Features: Medium Flow, High Impact Resistance Uses: Appliances, Business Equipment, Construction Applications, Tool/Tote Box,

Toys Processing Method: Injection Molding Information provided by M. Holland.

Order this product through the following link:

http://www.lookpolymers.com/polymer_M-Holland-Company-CP400-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	76	76	ASTM D785
Tensile Strength, Yield	22.1 MPa	3200 psi	Type I, 2 in/min; ASTM D638
Elongation at Break	450 %	450 %	Type I, 2 in/min; ASTM D638
Flexural Modulus	1.14 GPa	165 ksi	at 0.05 in/min; ASTM D790
Izod Impact, Notched	5.34 J/cm	10.0 ft-lb/in	at 73°F; ASTM D256
Gardner Impact	27.1 J	20.0 ft-lb	0.125 in; ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	82.2 °C	180 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	48.9 °C	120 °F	Unannealed; ASTM D648

Descriptive Properties	Value	Comments
Form	Pellets	

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