

## M. Holland Company CP500 Polypropylene Copolymer

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

**Material Notes:**

Features: High Flow, High Impact Resistance, Good StiffnessUses: Automotive, Interior Parts Closures, Household Goods, ToysApprovals:

FDA 21 CFR 177.1520Processing Method: Injection MoldingInformation provided by M. Holland.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_M-Holland-Company-CP500-Polypropylene-Copolymer.php](http://www.lookpolymers.com/polymer_M-Holland-Company-CP500-Polypropylene-Copolymer.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	23 g/10 min @Load 2.16 kg, Temperature 230 °C	23 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	91	91	ASTM D785
Tensile Strength, Yield	24.1 MPa	3500 psi	Type I, 2 in/min; ASTM D638
Elongation at Break	55 %	55 %	Type I, 2 in/min; ASTM D638
Flexural Modulus	1.21 GPa	175 ksi	at 0.05 in/min; ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	at 73°F; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	93.3 °C	200 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	54.4 °C	130 °F	Unannealed; ASTM D648

Descriptive Properties	Value	Comments
Form	Pellets	

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