

Dow H700-12 Polypropylene Homopolymer Resin

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

Material Notes:

Complies with U.S. FDA 21 CFR 177.1520 (c) 1.1 FDA-DMF Underwriters Laboratories Inc. Europe EU-Directive 2002/72/EC London Metal Exchange - Part 6B Rules - Polypropylene Canadian HPFB No Objection DOW H700-12 Polypropylene Resin is intended for use in injection molding processes and is particularly suited for rigid packaging. This product is UL listed. Dow Announced Sale of Global Polypropylene Business to Braskem in July 2011.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-H700-12-Polypropylene-Homopolymer-Resin.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792
Melt Index of Compound	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
Tensile Strength, Yield	33.1 MPa	4800 psi	ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Flexural Modulus	1.45 GPa	210 ksi	ASTM D790
Izod Impact, Notched	0.427 J/cm	0.800 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Melting Point	162 °C	324 °F	DSC; Dow Method
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C	203 °F	Unannealed; ASTM D648

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