

Dow H110-02N Polypropylene Resin

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

DOW H110-02N is intended for use in extrusion and thermoforming processes. It is especially suited for applications where improved melt strength and clarity are desired. Information provided by DowDow Announced Sale of Global Polypropylene Business to Braskem in July 2011.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-H110-02N-Polypropylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792
Melt Flow	2.0 g/10 min @Temperature 230 °C	2.0 g/10 min @Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	35.2 MPa	5100 psi	molded and tested in accordance with ASTM D 4101; ASTM D638
Elongation at Yield	9.0 %	9.0 %	molded and tested in accordance with ASTM D 4101; ASTM D638
Flexural Modulus	1.59 GPa	230 ksi	1% Secant; molded and tested in accordance with ASTM D 4101; ASTM D790A
Izod Impact, Notched	0.507 J/cm	0.950 ft-lb/in	molded and tested in accordance with ASTM D 4101; ASTM D256A
	0.320 J/cm @Temperature 0.000 °C	0.600 ft-lb/in @Temperature 32.0 °F	molded and tested in accordance with ASTM D 4101; ASTM D256A

Thermal Properties	Metric	English	Comments
Melting Point	161 °C	322 °F	Dow Method (DSC)
Deflection Temperature at 0.46 MPa (66 psi)	103 °C	217 °F	unannealed; molded and tested in accordance with ASTM D 4101; ASTM D648

Optical Properties	Metric	English	Comments
Haze	14 %	14 %	40 mil injection molded plaque; ASTM D1003

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