

## Dow H110-02N Polypropylene Homopolymer Resin

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Extrusion Grade , Polypropylene, Sheet/Thermoforming Grade

### Material Notes:

Overview Contains a nucleating agent High clarity Good melt strength Complies with U.S. FDA 21 CFR 177.1520 (c)3.2a, Canadian HPFB No Objection DOW H110-02N Polypropylene Resin is intended for use in extrusion and thermoforming processes. It is especially suited in applications where improved melt strength and clarity are desired. 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-H110-02N-Polypropylene-Homopolymer-Resin.php](http://www.lookpolymers.com/polymer_Dow-H110-02N-Polypropylene-Homopolymer-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D792
Melt Index of Compound	2.0 g/10 min @Load 2.16 kg, Temperature 230 °C	2.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	35.2 MPa	5110 psi	ASTM D638
Elongation at Yield	9.0 %	9.0 %	ASTM D638
Flexural Modulus, 1% Secant	1590 MPa	231000 psi	ASTM D790
Izod Impact, Notched	0.320 J/cm @Temperature 0.000 °C	0.599 ft-lb/in @Temperature 32.0 °F	ASTM D256A
	0.507 J/cm @Temperature 23.0 °C	0.950 ft-lb/in @Temperature 73.4 °F	ASTM D256A

Thermal Properties	Metric	English	Comments
Melting Point	161 °C	322 °F	DSC; Dow Method
Deflection Temperature at 0.46 MPa (66 psi)	103 °C	217 °F	Unannealed; ASTM D648

Optical Properties	Metric	English	Comments
Haze	14 %	14 %	ASTM D1003

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