

Dow H349-02 Polypropylene Homopolymer Resin

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Extrusion Grade , Polypropylene, Film Grade

Material Notes:

H349-02 Polypropylene Resin intended for use in biaxial oriented (BOPP) film processes. This product can also be used in extrusion and thermoforming applications where improved melt strength is desired. Main Characteristics: Good gauge control, High drawability, Good optics. Complies with U.S. FDA 21 CFR 177.1520(c)1.1a. 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-H349-02-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	2.0 g/10 min	2.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	32.4 MPa	4700 psi	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus, 1% Secant	1360 MPa	197000 psi	ASTM D790
Izod Impact, Notched	0.214 J/cm	0.401 ft-lb/in	ASTM D256A
	@Temperature 0.000 °C	@Temperature 32.0 °F	
	0.480 J/cm	0.899 ft-lb/in	ASTM D256A
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	160 °C	320 °F	DSC; Dow Method
Deflection Temperature at 0.46 MPa (66 psi)	87.2 °C	189 °F	Unannealed; ASTM D648

Optical Properties	Metric	English	Comments
Haze	46 %	46 %	1000 microns; ASTM D1003

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