

Dow H533-35RGU Polypropylene Homopolymer Resin

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Fiber Grade

Material Notes:

Overview Excellent spinnability Consistent processing Anti-gas-fading UV resistant Complies with U.S. FDA 21 CFR 177.1520 (c)1.1a DOW H533-35RGU Polypropylene Resin is a controlled rheology grade intended for use in fiber spinning applications requiring fine denier where UV and anti-gas-fading 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-H533-35RGU-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	35 g/10 min @Load 2.16 kg, Temperature 230 °C	35 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	103	103	ASTM D785
Tensile Strength, Yield	31.7 MPa	4600 psi	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Flexural Modulus	1.35 GPa	196 ksi	ASTM D790A
Izod Impact, Notched	0.267 J/cm	0.500 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	104 °C	219 °F	Unannealed; ASTM D648

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