

Dow NRD6-589 Polypropylene Random Copolymer Resin

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer , Polypropylene, Impact Modified; Molded/Extruded , Polypropylene, Molded

Material Notes:

DOW NRD6-589 Polypropylene Resin is intended for use in injection molding applications. It offers excellent balance of impact and stiffness. Consistent processability Good stiffness/impact balance Good contact clarity Contains nucleating additive Contains an antistatic additive Complies with U.S. FDA 21 CFR 177.1520 (c)3.2a Canadian HPFB No Objection U.S. FDA-DMF Europe EU-Directive 2002/72/EC 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-NRD6-589-Polypropylene-Random-Copolymer-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	106	106	ASTM D785
Tensile Strength, Yield	35.2 MPa	5110 psi	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Flexural Modulus, 1% Secant	1380 MPa	200000 psi	ASTM D790A
Izod Impact, Notched	0.374 J/cm	0.701 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	102 °C	216 °F	Unannealed; ASTM D648
Vicat Softening Point	150 °C	302 °F	ASTM D1525

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