

Dow C133-02 Polypropylene Impact Copolymer Resin

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer , Polypropylene, Blow Molding Grade , Polypropylene, Impact Modified; Molded/Extruded , Polypropylene, Sheet/Thermoforming Grade

Material Notes:

OverviewDow C133-02 Polypropylene Resin is intended for use in extrusion, thermoforming, and extrusion blow molding applications where impact at refrigeration temperatures is desired. It is especially suited for corrugated profile extrusion applications.High impactGood stiffnessComplies with: U.S. FDA 21 CFR 177.1520(c) 3.2a, Canadian HPFB No ObjectionDow Announced Sale of Global Polypropylene Business to Braskem in July 2011.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-C133-02-Polypropylene-Impact-Copolymer-Resin.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792
Melt Index of Compound	1.9 g/10 min @Load 2.16 kg, Temperature 230 °C	1.9 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.9 MPa	3900 psi	ASTM D638
Elongation at Yield	9.0 %	9.0 %	ASTM D638
Flexural Modulus, 1% Secant	1240 MPa	180000 psi	ASTM D790A
Izod Impact, Notched	1.87 J/cm	3.50 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	87.8 °C	190 °F	Unannealed; ASTM D648

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