

Dow R131-02A Polypropylene Random Copolymer Resin

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer , Polypropylene, Blow Molding Grade , Polypropylene, Extrusion Grade

Material Notes:

DOW R131-02A Polypropylene Resin is a random copolymer intended for use in extrusion blow molding applications. The product can be used in both single layer and multilayer designs including barrier applications. It is especially suited for small and mid sized bottles. Consistent processability Good regrind stability Good gloss and clarity Low odor and taste transfer Contains an antistatic additive Complies with U.S. FDA 21 CFR 177.1520 (c)3.2a Canadian HPFB No Objection 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-R131-02A-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	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	10 %	10 %	ASTM D638
Flexural Modulus, 1% Secant	1020 MPa	148000 psi	ASTM D790A
Izod Impact, Notched	0.267 J/cm @Temperature -20.0 °C	0.500 ft-lb/in @Temperature -4.00 °F	ASTM D256A
	0.587 J/cm @Temperature 23.0 °C	1.10 ft-lb/in @Temperature 73.4 °F	ASTM D256A

Thermal Properties	Metric	English	Comments
Melting Point	148 °C	298 °F	DSC; Dow Method
Deflection Temperature at 0.46 MPa (66 psi)	83.9 °C	183 °F	Unannealed; ASTM D648

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