

Dow 6D20 Polypropylene Random Copolymer Resin

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

Material Notes:

Overview Consistent processability Good regrind stability Good gloss and clarity Low odor and taste transfer Complies with: U.S. FDA 21 CFR 177.1520 (c)3.1a, Europe EU-Directive 2002/72/ECDOW 6D20 Polypropylene Resin is intended for use in film and extrusion blow molding processes. It is especially suited for multilayered, barrier bottles. 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-6D20-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; ASTM D3417
Deflection Temperature at 0.46 MPa (66 psi)	83.9 °C	183 °F	Unannealed; ASTM D648

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