

Dow DS6D81 Polypropylene Random Copolymer Resin

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

Material Notes:

Overview Consistent processability Good optical properties Low temperature heat seal Complies with U.S. FDA 21 CFR 177.1520 (c)3.1a, Canadian HPFB No Objection DOW DS6D81 Polypropylene Resin is intended for use as a heat seal coating on OPP film. 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-DS6D81-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	5.0 g/10 min @Load 2.16 kg, Temperature 230 °C	5.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	19.0 MPa	2760 psi	ASTM D638
Elongation at Yield	11 %	11 %	ASTM D638
Flexural Modulus, 1% Secant	550 MPa	79800 psi	ASTM D790A
Izod Impact, Notched	0.907 J/cm	1.70 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Melting Point	134 °C	273 °F	DSC; Dow Method
Deflection Temperature at 0.46 MPa (66 psi)	67.8 °C	154 °F	Unannealed; ASTM D648

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