

Dow DS6D82 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 DOW DS6D82 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-DS6D82-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	7.0 g/10 min @Load 2.16 kg, Temperature 230 °C	7.0 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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