

Dow 5D49 Polypropylene Homopolymer Resin

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Fiber Grade

Material Notes:

Overview Consistent processability Superior spinning characteristics Complies with U.S. FDA 21 CFR 177.1520 (c)1.1a DOW 5D49

Polypropylene Resin is intended for use in fiber spinning processes. It is well suited for spunbond non-woven applications. 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-5D49-Polypropylene-Homopolymer-Resin.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792
Melt Index of Compound	38 g/10 min @Load 2.16 kg, Temperature 230 °C	38 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	31.0 MPa	4500 psi	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Flexural Modulus	1.24 GPa	180 ksi	ASTM D790A
Izod Impact, Notched	0.267 J/cm	0.500 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	104 °C	219 °F	Unannealed; ASTM D648

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