

Dow 5D49 Polypropylene Resin

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

DOW 5D49 is intended for use fiber spinning processes. It is well suited for spunbond non-woven applications. Information provided by Dow 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-Resin.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792
Melt Flow	38 g/10 min @Temperature 230 °C	38 g/10 min @Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	31.0 MPa	4500 psi	molded and tested in accordance with ASTM D 4101; ASTM D638
Elongation at Yield	7.0 %	7.0 %	molded and tested in accordance with ASTM D 4101; ASTM D638
Flexural Modulus	1.24 GPa	180 ksi	1% Secant; molded and tested in accordance with ASTM D 4101; ASTM D790A
Izod Impact, Notched	0.267 J/cm	0.500 ft-lb/in	molded and tested in accordance with ASTM D 4101; ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	104 °C	220 °F	unannealed; molded and tested in accordance with ASTM D 4101; ASTM D648

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