

## Dow 6D83K Polypropylene Resin

Category : Polymer , Thermoplastic , Polypropylene (PP)

**Material Notes:**

DOW 6D83K is intended for use in extrusion blow molding processes where enhanced clarity is desired. Information provided by DowDow Announced Sale of Global Polypropylene Business to Braskem in July 2011.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-6D83K-Polypropylene-Resin.php](http://www.lookpolymers.com/polymer_Dow-6D83K-Polypropylene-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D792
Melt Flow	1.9 g/10 min @Temperature 230 °C	1.9 g/10 min @Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	28.3 MPa	4100 psi	molded and tested in accordance with ASTM D 4101; ASTM D638
Elongation at Yield	10 %	10 %	molded and tested in accordance with ASTM D 4101; ASTM D638
Flexural Modulus	1.07 GPa	155 ksi	1% Secant; molded and tested in accordance with ASTM D 4101; ASTM D790A
Izod Impact, Notched	2.94 J/cm	5.50 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)	86.1 °C	187 °F	unannealed; molded and tested in accordance with ASTM D 4101; ASTM D648

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