

## Dow 5E89 Polypropylene Homopolymer Resin

Category : Polymer , Thermoplastic , Polypropylene (PP)

**Material Notes:**

Overview Consistent processability Good color stability High strength properties Low water "carry-over" High speed processing Complies with U.S. FDA 21 CFR 177.1520 (c)1.1a DOW 5E89 Polypropylene Resin is intended for use in stretched tape (raffia) processes, from which the raffia is used to produce woven fabrics for carpet backing, sacking, industrial and geotextile 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-5E89-Polypropylene-Homopolymer-Resin.php](http://www.lookpolymers.com/polymer_Dow-5E89-Polypropylene-Homopolymer-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D792
Melt Index of Compound	4.0 g/10 min @Load 2.16 kg, Temperature 230 °C	4.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	102	102	ASTM D785
Tensile Strength, Yield	34.0 MPa	4930 psi	ASTM D638
Elongation at Yield	8.0 %	8.0 %	ASTM D638
Flexural Modulus, 1% Secant	1380 MPa	200000 psi	ASTM D790A
Izod Impact, Notched	0.320 J/cm	0.599 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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