

## Dow H7012-35RN Polypropylene Homopolymer Resin

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

### Material Notes:

Overview Good processability Good mold filling Faster cycle times Contains nucleating additive Complies with U.S. FDA 21 CFR 177.1520 (c)1.1a DOW H7012-35RN Polypropylene Resin is intended for use in injection molding processes requiring good processability. It is ideally suited for applications such as housewares and containers. It contains nucleation for faster set-up and increased stiffness. 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-H7012-35RN-Polypropylene-Homopolymer-Resin.php](http://www.lookpolymers.com/polymer_Dow-H7012-35RN-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	35 g/10 min @Load 2.16 kg, Temperature 230 °C	35 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	33.8 MPa	4900 psi	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Flexural Modulus, 1% Secant	1420 MPa	206000 psi	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)	110 °C	230 °F	Unannealed; ASTM D648

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