

## Reliance Industries Repol B550MN Polypropylene

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

**Material Notes:**

REPOL Polypropylene B550MN is manufactured using Unipol PP process which combines the production efficiency of gas phase fluidized bed reactor technology with the high activity stereospecific catalyst system. Repol B550MN is recommended for use in injection molding processes where high flow and medium impact strength are required. It is an ideal material for appliance parts, automotive compounds, grilled and thin wall products. Repol B550MN contains nucleating agent. Features: Excellent flow characteristics Short molding cycle Consistent processability Good stiffness-impact balance Good surface gloss Information provided by Reliance Industries

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Reliance-Industries-Repol-B550MN-Polypropylene.php](http://www.lookpolymers.com/polymer_Reliance-Industries-Repol-B550MN-Polypropylene.php)

Physical Properties	Metric	English	Comments
Melt Flow	55 g/10 min @Load 2.16 kg, Temperature 230 °C	55 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.0 MPa	3480 psi	50mm/min; ASTM D638
Elongation at Yield	7.0 %	7.0 %	50mm/min; ASTM D638
Flexural Modulus	1.10 GPa	160 ksi	1% secant; ASTM D790A
Izod Impact, Notched	0.500 J/cm @Temperature 23.0 °C	0.937 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	105 °C	221 °F	ASTM D648

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