

## Dow INSPIRE™ 117.00 Performance Polymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

**Material Notes:**

117.00 Performance Polymer is a propylene-based resin intended for use in extrusion blow molding and thermoforming applications where stiffness, toughness, high temperature resistance, and clarity are required. It has outstanding heat resistance, excellent balance of high stiffness and toughness, and good contact clarity and gloss, low taste & odor transfer. It contains a nucleating agent and it Complies with U.S. FDA 21 CFR 177.1520. Information provided by Dow

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-INSPIRE-11700-Performance-Polymer.php](http://www.lookpolymers.com/polymer_Dow-INSPIRE-11700-Performance-Polymer.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D792
Melt Flow	2.1 g/10 min @Load 2.16 kg, Temperature 230 °C	2.1 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	5.0 %	5.0 %	ASTM D638
Flexural Modulus	1.72 GPa	250 ksi	1% Secant; ASTM D790A
Izod Impact, Notched	5.61 J/cm	10.5 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	116 °C	240 °F	unannealed; ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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