

## Formosa Plastics Formolene® 2520N Injection Molding Polypropylene

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

**Material Notes:**

Impact Copolymer for Injection Molding Formolene® 2520N is a medium impact copolymer of polypropylene characterized by its easy mold flow, physical property balance and excellent dimensional stability. The improved stiffness and impact balance also provides for utility in industrial applications including bins and crates, and small appliances. Formolene® 2520N meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles and components of articles intended for direct food contact. For additional information on approved conditions of use for food contact applications, please refer to the "Products" section on our web site (<http://www.fpcusa.com/ourproducts.html>). Specimens were injection molded according to the conditions specified in ASTM D4101. Information provided by Formosa Plastics Corporation, USA.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Formosa-Plastics-Formolene-2520N-Injection-Molding-Polypropylene.php](http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-2520N-Injection-Molding-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	20 g/10 min @Temperature 230 °C	20 g/10 min @Temperature 446 °F	1<sub>2</sub>; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.8 MPa	3600 psi	2" (50mm) per min.; ASTM D638
Elongation at Yield	6.0 %	6.0 %	2" (50mm) per min.; ASTM D638
Flexural Modulus	1.21 GPa	175 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	1.44 J/cm	2.70 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	104 °C	219 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	53.0 °C	127 °F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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