

## Formosa Plastics Formolene® 4101M Staple Fiber and Injection Molding Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Fiber Grade

### Material Notes:

Homopolymer Applications: Staple Fiber and General Purpose Injection Molding Formolene 4101M is a medium viscosity, highly isotactic polypropylene homopolymer designed for Staple Fiber and general purpose injection molding applications. It contains a unique combination of stabilizers which give it process stability and end use performance. 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-4101M-Staple-Fiber-and-Injection-Molding-Polypropylene.php](http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-4101M-Staple-Fiber-and-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	8.0 g/10 min @Temperature 230 °C	8.0 g/10 min @Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength, Yield	33.8 MPa	4900 psi	2" (50mm) per min.; ASTM D638
Elongation at Yield	9.0 %	9.0 %	2" (50mm) per min.; ASTM D638
Flexural Modulus	1.24 GPa	180 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	0.320 J/cm	0.600 ft-lb/in	ASTM D256

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