

## Formosa Plastics Formolene® 5100J Blown and Cast Film Polypropylene

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

### Material Notes:

Homopolymer Applications: Cast and blown film applications. Formolene 5100J is a high molecular weight, highly isotactic polypropylene homopolymer designed for sheet, cast and blown film applications. It contains a unique combination of stabilizers which give it process stability and end use performance. It does not contain slip or antiblock. Meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact. 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-5100J-Blown-and-Cast-Film-Polypropylene.php](http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-5100J-Blown-and-Cast-Film-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	0.50 g/10 min @Temperature 230 °C	0.50 g/10 min @Temperature 446 °F	I <sub>2</sub> ; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Yield	35.9 MPa	5200 psi	2" (50mm) per min.; ASTM D638
Elongation at Yield	9.0 %	9.0 %	2" (50mm) per min.; ASTM D638
Flexural Modulus	1.52 GPa	220 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	0.801 J/cm	1.50 ft-lb/in	ASTM D256

## Contact Songhan Plastic Technology Co.,Ltd.

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