

## Formosa Plastics Formolene® 5100H Extrusion processing Polypropylene

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

### Material Notes:

Homopolymer Applications: Various extrusion profile, sheet and film applications. Formolene 5100H DEVELOPMENTAL is a high molecular weight, highly isotactic polypropylene homopolymer designed for various extrusion profile, sheet and film applications. It contains a unique combination of stabilizers, which give it process stability and superior 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-5100H-Extrusion-processing-Polypropylene.php](http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-5100H-Extrusion-processing-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	1.2 g/10 min @Temperature 230 °C	1.2 g/10 min @Temperature 446 °F	l<sub>2</sub>; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength, Yield	34.5 MPa	5000 psi	2" (50mm) per min.; ASTM D638
Elongation at Yield	10 %	10 %	2" (50mm) per min.; ASTM D638
Flexural Modulus	1.45 GPa	210 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D256

## Contact Songhan Plastic Technology Co.,Ltd.

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