

## Formosa Plastics Formolene® 1102K Cast and BOPP Film Polypropylene

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

### Material Notes:

Homopolymer Applications: Biaxially oriented film. Formolene 1102K is a high molecular weight, highly isotactic polypropylene homopolymer designed for extrusion processes, notably biaxially oriented film. 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-1102K-Cast-and-BOPP-Film-Polypropylene.php](http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-1102K-Cast-and-BOPP-Film-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	3.0 g/10 min @Temperature 230 °C	3.0 g/10 min @Temperature 446 °F	I <sub>2</sub> ; 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	10 %	10 %	2" (50mm) per min.; ASTM D638
Flexural Modulus	1.38 GPa	200 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D256A

## Contact Songhan Plastic Technology Co.,Ltd.

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