



Formosa Plastics®

Formolene® PP

# Formolene® 1102K

## Homopolymer for BOPP Film

Formolene® 1102K is a high molecular weight, highly isotactic, polypropylene homopolymer designed for extrusion processes, notably biaxially oriented film (BOPP). It contains a unique combination of stabilizers, which provides excellent processability and good end use performance. It does not contain slip or antiblock.

Formolene® 1102K meets all 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.

### Typical Properties of this Commercial Grade

Melt Flow Rate, I <sub>2</sub> @ 230°C, g/10 min	ASTM D1238	3.0
Density, g/cm <sup>3</sup>	ASTM D1505	0.9
Tensile Strength at Yield (50 mm/min), psi	ASTM D638	4,800
Elongation at Yield (50 mm/min), %	ASTM D638	9.0
Flexural Modulus (1.3 mm/min), 1% Secant, psi	ASTM D790	180,000
Rockwell Hardness, R Scale	ASTM D785	105
Notched Izod Impact Strength @ 73°F, ft-lb/in	ASTM D256	0.8

Note: Specimens were injection molded according to the conditions specified in ASTM D4101.

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\*FM 46020 applies to specific copolymers

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FS 70459  
FM 31429  
FM 46020\*



ISO 14001:2004  
EMS 35710