



Formosa Plastics®

Formolene® PP

# Formolene® 5100J

## Homopolymer for Compounding and Extrusion Applications

Formolene® 5100J is a high molecular weight, polypropylene homopolymer designed for compounding and extrusion applications. It has applications in blow molding and thermoforming of large components and profile extrusion blow molding. It contains a unique combination of stabilizers and additives, which provides excellent processability and good end use performance. It does not contain slip or anti-block.

Formolene® 5100J 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	0.5
Density, g/cm <sup>3</sup>	ASTM D1505	0.9
Tensile Strength at Yield (50 mm/min), psi	ASTM D638	4900
Elongation at Yield (50 mm/min), %	ASTM D638	9.0
Flexural Modulus (1.3 mm/min), 1% Secant, psi	ASTM D790	190,000
Rockwell Hardness, R Scale	ASTM D785	105
Notched Izod Impact Strength @ 73°F, ft-lb/in	ASTM D256	0.9

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