



Formosa Plastics®

Formolene® PP

# Formolene® 4100T

## Homopolymer for General Purpose Injection Molding

Formolene® 4100T is a highly isotactic polypropylene homopolymer designed for various general purpose injection molded applications such as closures, small appliances, housewares and toys. It contains a unique combination of stabilizers, which provides excellent processability with good stiffness, environmental stress crack resistance, heat performance and minimal odor & taste.

Formolene® 4100T 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	35.0
Density, g/cm <sup>3</sup>	ASTM D1505	0.9
Tensile Strength at Yield (50 mm/min), psi	ASTM D638	4,900
Elongation at Yield (50 mm/min), %	ASTM D638	8
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	0.40

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