



FPC USA

Formolene 4100N

A Homopolymer of Polypropylene For Injection Molding

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

Typical Properties of this Commercial Grade

Melt Flow Rate, I ₂ @ 230°C, g/10 min	ASTM D1238	12.0
Density, g/cm ³	ASTM D1505	0.906
Tensile Strength at Yield (50 mm/min), psi	ASTM D638	5,450
Elongation at Yield (50 mm/min), %	ASTM D638	8
Flexural Mod. (1.3 mm/min), 1% Secant, psi	ASTM D790	225,000
Rockwell Hardness, R Scale	ASTM D785	111
Notched Izod Impact Strength @ 73°F, ft-lb/in	ASTM D256	0.7
Notched Charpy Impact Strength @ 73°F, ft-lb/in	ASTM D256	1.1

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

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ISO 9002 & ISO 14001
Certificate Numbers
FM 31429, EMS 35710



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