



Formosa Plastics®

Formolene® PP

Formolene 4142N

Homopolymer For Injection Molded Applications

Formolene 4142N is a highly isotactic, polypropylene homopolymer with fast cycle time and easy mold release. It has use in injection molded applications including appliances, closures and thin wall programs. It contains a unique combination of stabilizers and additives, including nucleation and antistat which provides excellent processability and good end use performance.

Formolene 4142N 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 ₂ @ 230°C, g/10 min	ASTM D1238	12.0
Density, g/cm ³	ASTM D1505	0.9
Tensile Strength at Yield (50 mm/min), psi	ASTM D638	5,800
Elongation at Yield (50 mm/min), %	ASTM D638	6.5
Flexural Modulus (1.3 mm/min), 1% Secant, psi	ASTM D790	270,000
Rockwell Hardness, R Scale	ASTM D785	115
Notched Izod Impact Strength @ 73°F, ft-lb/in	ASTM D256	0.6

Note: Specimens were injection molded according to the conditions specified in ASTM D4101.
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ISO 9001:2000
FS 70459
FM 31429
FM 46020



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EMS 35710