Formolene 4100N

Homopolymer for General Purpose Injection Molding
Formolene 4100N is a medium viscosity, highly isotactic, polypropylene homopolymer designed for various general purpose injection molding applications such as closures, small appliances, house-wares 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 4100N 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	4,800
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	0.6
Heat Deflection Temperature @ 66 psi, ° C	ASTM D648	100

Note: Specimens were injection molded according to the conditions specified in ASTM D4101. Published 3/99, Revised 01/07

** Meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, and with the European standards 85/572/EEC, 90/128/EEC y 97/48/EEC covering safe use of polyolefin articles intended for direct food contact.

*** The reported values are typical and do not constitute a warranty but a guide for the diverse application possibilities.