Formosa Plastics®

Formolene® PP

Formolene® 4100N

Homopolymer for General Purpose Injection Molding

Formolene® 4100N is a medium viscosity, polypropylene homopolymer designed for various general purpose injection molding 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® 4100N meets the 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. For additional information on approved conditions of use for food contact applications, please refer to the "Products" section on our website (http://www.fpcusa.com/ourproducts.html).

This material is free of animal-derived content.

Typical Properties of this Commercial Grade

Property	Test Method	Typical Values	
		English	SI
Melt Flow Rate, I_2 @ 230°C	ASTM D1238	12 g/10 min	12 g/10 min
Density	ASTM D1505	0.9 g/cm^3	0.9 g/cm^3
Tensile Strength at Yield (50 mm/min)	ASTM D638	5,100 psi	35 MPa
Elongation at Yield (50 mm/min)	ASTM D638	9 %	9 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	200,000 psi	1371 MPa
Rockwell Hardness	ASTM D785	105 R Scale	105 R Scale
Notched Izod Impact Strength @ 73°F	ASTM D256A	0.5 ft-lb/in	27 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	212 °F	100 °C

Note: Specimens were injection molded according to the conditions specified in ASTM D4101. Data for representative purposes only; not to be construed as product specification. Published 3/99, Revised 3/18

Any inquiries regarding this data sheet should be addressed to: 9 Peach Tree Hill Road • Livingston, NJ 07039 • Phone: (888) FPCUSA3 • Fax: (973) 422-7772

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