Formosa Plastics®

Formolene® PP

Formolene® 4100T

Homopolymer for General Purpose Injection Molding

Formolene® 4100T is a 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 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 web site (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, I2 @ 230°C	ASTM D1238	35 g/10min	35 g/10min
Density	ASTM D1505	0.9 g/cm3	0.9 g/cm^3
Tensile Strength at Yield (50 mm/min)	ASTM D638	4,900 psi	34 MPa
Elongation at Yield (50 mm/min)	ASTM D638	8 %	8 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	180,000 psi	1241 MPa
Rockwell Hardness	ASTM D785	105 R Scale	105 R Scale
Notched Izod Impact Strength @ 73°F	ASTM D256A	0.4 ft-lb/in	21 J/m

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 9/99, Revised 03/18

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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