



Formolene® 4100T/ISO Format

Homopolymer for General Purpose Injection Molding

Formolene® 4100T is a homopolymer polypropylene 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 website (<http://www.fpcusa.com/ourproducts.html>).

This material is free of animal-derived content.

Typical Properties of this Commercial Grade

Property	Test Method	Units	Value
Melt Flow Rate, I2 @ 230°C	ISO 1133	g/10 min	35
Density	ISO 1183	g/cm3	0.9
Tensile Strength at Yield (50 mm/min)	ISO 527	MPa	35
Elongation at Yield (50 mm/min)	ISO 527	%	9
Flexural Modulus (1.3 mm/min), 1% Secant	ISO 178	MPa	1510
Notched Izod Impact Strength @ 73°F	ISO 180	KJ/m2	2.2
Notched Charpy Impact Strength @ 73°F	ISO 179	KJ/m2	2.1
Heat Deflection Temperature @ 66 psi	ISO 75	°C	88
Heat Deflection Temperature @ 264 psi	ISO 75	°C	52

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 9/13

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

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions concerning uses or applications are only the opinion of FORMOSA PLASTICS CORPORATION, U.S.A. and users should perform their own tests to determine the suitability of these products for their own particular purposes. However, because of numerous factors affecting the results, FORMOSA PLASTICS CORPORATION, U.S.A. MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, other than that the material conforms to the applicable current Standard Specifications Statements herein, therefore, should not be construed as representations or warranties. The responsibility of FORMOSA PLASTICS CORPORATION, U.S.A. for claims arising out of breach of warranty, negligence, strict liability or otherwise is limited to the purchase price of the material. Statements concerning the use of the products of formulations described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.