Formosa Plastics®

Formolene® PP

Formolene® 4140X

Homopolymer for Compounding Applications

Formolene® 4140X is a high melt flow polypropylene homopolymer manufactured with a non-phthalate catalyst system and does not include intentionally-added phthalate compounds. Formolene® 4140X is a nucleated high crystalline polypropylene homopolymer designed and formulated for compounding applications.

Formolene® 4140X 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.

Suggested Applications: Compounding, Injection Molding

Typical Properties of this Commercial Grade

Property	Test Method	Typical Values	
		English	SI
Melt Flow Rate, I_2 @ 230°C	ASTM D1238	120 g/10 min	120 g/10 min
Density	ASTM D1505	0.9 g/cm^3	0.9 g/cm^3
Tensile Strength at Break (50 mm/min)	ASTM D638	5800 psi	40 MPa
Elongation at Break (50 mm/min)	ASTM D638	5 %	5 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	305,000 psi	2100 MPa
Notched Izod Impact Strength @ 73°F	ASTM D256A	0.2 ft-lb/in	10.7 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	261 °F	127 °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 09/2026

Any inquiries regarding this data sheet should be addressed to: 9 Peach Tree Hill Road • Livingston, NJ 07039 • Phone: (800) 363-1823 • Fax: (973) 716-7483

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