Formosa Plastics®

Formolene® PP

Formolene® 4140W

Homopolymer for Compounding and Injection Molding Applications

Formolene® 4140W is high melt flow polypropylene homopolymer manufactured with a non-phthalate catalyst system and does not include intentionally-added phthalate compounds. Formolene® 4140W with high stiffness designed and formulated with nucleator for TWIM (Thin Wall Injection Molding) with fast cycle time and for compounding applications.

Formolene® 4140W 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	85 g/10min	85 g/10 min
Density	ASTM D1505	0.9 g/cm3	0.9 g/cm^3
Tensile Strength at Yield (50 mm/min)	ASTM D638	6,000 psi	42 MPa
Elongation at Yield (50 mm/min)	ASTM D638	6 %	6 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	300,000 psi	2,068 MPa
Notched Izod Impact Strength @ 73°F	ASTM D256A	0.4 ft-lb/in	21 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	265 °F	130 °C
Heat Deflection Temperature @ 264 psi	ASTM D648	158 °F	70 °C

Notes: 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 01/25 Revised 05/26

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