Formosa Plastics®

Formolene® PP

Formolene® 4140V

Homopolymer for Compounding and Injection Molding Applications

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

Formolene® 4140V 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	65 g/10min	65 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
Tensile 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	273 °F	134 °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 09/26

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