Formosa Plastics®

Formolene® PP

Formolene® 4140X/ISO Format

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, @ 230°C/2160g	ISO 1133	120 g/10 min	120 g/10 min
Density	ISO 1183	0.9 g/cm^3	0.9 g/cm^3
Tensile Strength at Break (50 mm/min)	ISO R527	5,800 psi	40 MPa
Elongation at Break (50 mm/min)	ISO R527	4 %	4 %
Flexural Modulus, (2 mm/min), Chord	ISO 178	305,000 psi	2,100 MPa
Notched Izod Impact Strength @ 73°F	ISO 180	0.3 ft-lb/in	16 J/m
Heat Deflection Temperature @ 0.45 Mpa	ISO 75	250 °F	120 °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 09/26

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