



Formolene® 5147L

Homopolymer for Extrusion Sheet and Compounding

Formolene® 5147L is a highly isotactic, nucleated polypropylene homopolymer designed for applications requiring very high stiffness. Applications have included thermoforming of containers requiring high top loading strength. Material has also found good usage in compounding applications.

Formolene® 5147L 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 web site (<http://www.fpcusa.com>)

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	2.5 g/10 min	2.5 g/10 min
Density	ASTM D1505	0.9 g/cm ³	0.9 g/cm ³
Tensile Strength at Yield (50 mm/min)	ASTM D638	5,900 psi	40 MPa
Elongation at Yield (50 mm/min)	ASTM D638	7 %	7 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	300,000 psi	1999 MPa
Notched Izod Impact Strength @ 73°F	ASTM D256A	0.4 ft-lb/in	21 J/M
Heat Deflection Temperature @ 66 psi	ASTM D648	266 °F	130 °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 01/21

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