



# Formolene® 4140T

## Homopolymer for Automotive, Appliance and Compounding Applications

Formolene® 4140T is a high melt flow homopolymer designed for injection and compounding usage requiring very high isotacticity.

Its high crystallinity with added nucleation provides high flexural modulus along with optimal properties of tensile strength and elongation. These characteristics make it an excellent choice for applications in automotive, appliance and compounding markets.

Formolene® 4140T 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>).

This material is free of animal-derived content.

### Typical Properties of this Commercial Grade

Property	Test Method	Typical values	
		English	SI
Melt Flow Rate, I2 @ 230°C	ASTM D1238	35 g/10 min	35 g/10 min
Density	ASTM D1505	0.9 g/cm <sup>3</sup>	0.9 g/cm <sup>3</sup>
Tensile Strength at Yield (50 mm/min)	ASTM D638	6000 psi	41 MPa
Elongation at Yield (50 mm/min)	ASTM D638	6 %	6 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	280,000 psi	1931 MPa
Notched Izod Impact Strength @ 73°F	ASTM D256A	0.5 ft-lb/in	27 J/m

Notes: Specimens were injection molded according to the conditions specified in ASTM D4101

Data for representative purposes; not to be construed as product specification.

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