



# Formolene® 2302E

## Impact Copolymer for Extrusion Applications

Formolene® 2302E is a low flow, medium impact copolymer polypropylene designed for extrusion applications. It is a barefoot resin with a basic stabilization package.

Potential applications include thermoforming and corrugated sheet which require good surface characteristics for high quality printing.

Formolene® 2302E 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/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 <sub>2</sub> @ 230°C	ASTM D1238	1.7 g/10 min	1.7 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	4,000 psi	28 MPa
Elongation at Yield (50 mm/min)	ASTM D638	9 %	9 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	170,000 psi	1172 MPa
Notched Izod Impact Strength @ 73°F	ASTM D256A	4.0 ft-lb/in	214 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	194 °F	90 °C
Heat Deflection Temperature @ 264 psi	ASTM D648	122 °F	50 °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 3/12, Revised 11/15*

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