



Formosa Plastics®

Formolene® 6600C

Impact Copolymer for Extrusion and Compounding Applications (Fractional Melt Flow)

Formolene® 6600C is a high impact copolymer with an excellent balance of toughness and stiffness designed for corrugated pipe application and meets ASTM F2881 and AASHTO M330 requirements. It is suitable for compounding programs as well as blow-molded bottles and components, heavy gauge sheet for thermoformed containers and components and profile extrusions.

Formolene® 6600C 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.

Typical Properties of this Commercial Grade

Property	Test Method	Typical Values	
		English	SI
Melt Flow Rate, I ₂ @ 230°C	ASTM D1238	0.4 g/10 min	0.4 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	4,000 psi	27 MPa
Elongation at Yield (50 mm/min)	ASTM D638	10 %	10 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	190,000 psi	1310 MPa
Notched Izod Impact Strength @ 73°F	ASTM D256A	No break	No break
Notched Izod Impact Strength @ -4°F	ASTM D256A	1.5 ft-lb/in	80 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	212 °F	100 °C
Heat Deflection Temperature @ 264 psi	ASTM D648	130 °F	55 °C
Tensile Creep Modulus	ASTM D6992	≥ 29 kpsi	≥ 200 MPa

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 1/24. Updated 03/24

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