Formosa Plastics®

Formolene® PP

Formolene® 6610A

Impact Copolymer for Compounding and Injection Molded Applications

Formolene® 6610A is a high impact copolymer of polypropylene designed for such injection applications as automotive compounding, lawn & garden products and appliances. It is characterized by an excellent physical property balance of stiffness and impact at room temperature and sub-ambient conditions as well as finished product dimensional stability. It contains a unique combination of stabilizers, which provide excellent processing and usage performance.

Formolene® 6610A 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	10 g/10 min	10 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	3,200 psi	22 MPa
Elongation at Yield (50 mm/min)	ASTM D638	6 %	6 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	145,000 psi	1000 MPa
Notched Izod Impact Strength @ 73°F	ASTM D256A	11 ft-lb/in	587 J/m
Notched Izod Impact Strength @ 0°F	ASTM D256A	1.7 ft-lb/in	91 J/m
Notched Izod Impact Strength @ -22°F	ASTM D256A	1.5 ft-lb/in	80 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	203 °F	95 °C
Heat Deflection Temperature @ 264 psi	ASTM D648	122 °F	50 °C
Rockwell Hardness	ASTM D785	110 R Scale	110 R Scale

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 3/99, Revised 3/18

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