Manufacturer website: https://www.fpcusa.com/

Formosa Plastics®

Formolene® PP

Formolene® 6145O

Impact Copolymer for Appliance Applications

Formolene® 6145O is a medium impact copolymer of polypropylene characterized by its easy mold flow, physical property balance and excellent dimensional stability. It is designed for consumer products and appliance applications requiring long-term heat-aging resistance and flexural endurance. It has additional stiffness for good service performance

Formolene® 6145O has earned a UL continuous service rating of 110°C with recognition for typical use in laundry equipment.

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	20 g/10 min	20 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	4200 psi	29 MPa
Elongation at Yield (50 mm/min)	ASTM D638	6 %	6 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	195,000 psi	1344 MPa
Notched Izod Impact Strength @ 73°F	ASTM D256A	1.7 ft-lb/in	91 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	223 °F	106 °C
Heat Deflection Temperature @ 264 psi	ASTM D648	138 °F	59 °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 4/13, Revised 3/18

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