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

Formosa Plastics®

Formolene® PP

Formolene® 5144H

Homopolymer for Appliance Applications

Formolene® 5144H is a highly isotactic polypropylene homopolymer designed for consumer products and appliance applications requiring long-term heat-aging resistance and flexural endurance.

Formolene® 5144H has earned a UL continuous service rating of 65°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	2.0 g/10 min	2.0 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	5,000 psi	34 MPa
Elongation at Yield (50 mm/min)	ASTM D638	10 %	10 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	210,000 psi	1448 MPa
Notched Izod Impact Strength @ 73°F	ASTM D256A	1.0 ft-lb/in	53 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	212 °F	100 °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 5/05, Revised 3/18

Any inquiries regarding this data sheet should be addressed to: 9 Peach Tree Hill Road • Livingston, NJ 07039 • Phone: (888) FPCUSA3 • Fax: (973) 422-7772

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