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

Formosa Plastics®

Formolene® PP

Formolene® 5144L

Homopolymer for Injection Molded Applications requiring Heat Resistance

Formolene® 5144L is a highly isotactic, nucleated polypropylene homopolymer designed for consumer products and appliance applications that require high stiffness and long-term exposure to elevated temperatures. It has found success in home laundry and dishwasher applications.

Formolene®5144L has earned a UL continuous service rating of 115 °C.

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	5.0 g/10 min	5.0 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	5,800 psi	40 MPa
Elongation at Yield (50 mm/min)	ASTM D638	5.5 %	5.5 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	290,000 psi	1999 MPa
Rockwell Hardness	ASTM D785	115 R Scale	115 R Scale
Notched Izod Impact Strength @ 73°F	ASTM D256A	0.5 ft-lb/in	27 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	257 °F	125 °C
Heat Deflection Temperature @ 264 psi	ASTM D648	151 °F	66 °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 6/04, Revised 3/18

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