

# Formolene® 5144H

Polypropylene Homopolymer  
Formosa Plastics Corporation, U.S.A.

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

General Information			
UL YellowCard	E205741-473443		
Features	Good Flexibility		
	Good Heat Aging Resistance		
	High Isotactic		
	Homopolymer		
Uses	Appliances		
	Consumer Applications		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	33.1	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield)	10	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup>	1240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	100	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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