

# Formolene® 5144L

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

Tuesday, November 5, 2019

### **General Information**

#### **Product Description**

Formolene® 5144L is a highly isotactic, nucleated polypropylene homopolymer designed for consumer products and 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.

General			
Material Status	Commercial: Active		
Availability	North America		
Additive	Nucleating Agent		
Features	<ul><li>Food Contact Acceptable</li><li>Good Thermal Stability</li><li>High Heat Resistance</li></ul>	<ul><li> High Isotactic</li><li> High Stiffness</li><li> Homopolymer</li></ul>	No Animal Derived Components     Nucleated
Uses	Appliances	Consumer Applications	
Agency Ratings	• EC 1907/2006 (REACH)	• FDA 21 CFR 177.1520	
Forms	• Pellets		
Processing Method	Injection Molding		

ASTM & ISO Properties 1				
Nominal Value	Unit	Test Method		
0.900	g/cm³	ASTM D1505		
5.0	g/10 min	ASTM D1238		
Nominal Value	Unit	Test Method		
5800	psi	ASTM D638		
5.5	%	ASTM D638		
290000	psi	ASTM D790		
Nominal Value	Unit	Test Method		
0.50	ft·lb/in	ASTM D256A		
Nominal Value	Unit	Test Method		
115		ASTM D785		
Nominal Value	Unit	Test Method		
		ASTM D648		
257	°F			
		ASTM D648		
151	°F			
	Nominal Value  0.900 5.0  Nominal Value 5800 5.5 290000  Nominal Value 0.50  Nominal Value 115  Nominal Value	Nominal Value   Unit		

#### **Notes**



<sup>&</sup>lt;sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>&</sup>lt;sup>2</sup> 2.0 in/min

<sup>&</sup>lt;sup>3</sup> 0.051 in/min