



Formolene® 5140N

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

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General Information

Product Description

Formolene® 5140N is a homopolymer polypropylene with fast cycle time and improved mold release. It has use in injection molded applications including closures and thin wall container programs. It contains a unique combination of stabilizers and additives, including elevated levels of antistat which provide excellent processability and good end use performance.

Formolene® 5140N meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles and components of articles intended for direct food contact.

This material is free of animal-derived content.

General

Material Status	• Commercial: Active		
Availability	• North America		
Additive	• Antistatic	• Unspecified Additive	• Unspecified Stabilizer
Features	• Antistatic	• Good Mold Release	• Homopolymer
	• Fast Molding Cycle	• Good Processability	• No Animal Derived Components
	• Food Contact Acceptable	• High Isotactic	
Uses	• Closures	• Thin-walled Containers	
Agency Ratings	• EC 1907/2006 (REACH)	• FDA 21 CFR 177.1520	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Injection Molded)	5080	psi	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	210000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, Injection Molded)	0.60	ft-lb/in	ASTM D256A

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min

³ 0.051 in/min