



Formolene® 2613N

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

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General Information

Product Description

Formolene® 2613N is a copolymer polypropylene designed for heavy duty injection molding applications. It offers advantages in both processing and physical properties over many polypropylenes used for pails, crates and other rugged, injection molded applications.

Formolene® 2613N 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
Features	• Copolymer • Food Contact Acceptable • No Animal Derived Components
Uses	• Crates • Pails
Agency Ratings	• EC 1907/2006 (REACH) • FDA 21 CFR 177.1520
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (230°C/2.16 kg)	13	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Injection Molded)	3340	psi	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	5.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	165000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
-22°F, Injection Molded	1.4	ft-lb/in	
0°F, Injection Molded	2.2	ft-lb/in	
73°F, Injection Molded	9.9	ft-lb/in	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	90		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed, Injection Molded	212	°F	
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed, Injection Molded	129	°F	

Notes

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

² 2.0 in/min

³ 0.051 in/min