



Formolene® 2706N

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

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General Information

Product Description

Formolene® 2706N is a high impact copolymer of polypropylene designed and formulated for injection molding applications. It exhibits an excellent balance of stiffness and impact strength including performance at lower temperatures. Formolene 2706N offers advantages in both processing and physical properties for applications including pails, crates and other material handling components.

Formolene® 2706N 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	• Experimental: Active		
Availability	• North America		
Features	• Food Contact Acceptable • Good Impact Resistance	• Good Processability • Good Stiffness	• Impact Copolymer • No Animal Derived Components
Uses	• Containers	• Crates	• Pails
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)	7.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Injection Molded)	2760	psi	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	120000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
-22°F, Injection Molded	2.6	ft-lb/in	
0°F, Injection Molded	3.0	ft-lb/in	
32°F, Injection Molded	14	ft-lb/in	
73°F, Injection Molded	14	ft-lb/in	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	100		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed, Injection Molded	185	°F	

Notes

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

² 2.0 in/min

³ 0.051 in/min