



Formolene® 2730N

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

Tuesday, November 5, 2019

General Information

Product Description

Formolene® 2730N is a high impact copolymer of polypropylene designed and formulated for injection-molded applications. It contains a unique combination of stabilizers and nucleators which provides an excellent balance of stiffness and cold temperature impact.

Its range of physical and thermodynamic properties makes it an ideal choice for critical applications in the areas of automotive, appliances and lawn & garden.

Formolene® 2730N 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	• Nucleating Agent • Unspecified Stabilizer
Features	• Food Contact Acceptable • Impact Copolymer • Good Stiffness • Low Temperature Impact Resistance • Nucleated • High Impact Resistance • No Animal Derived Components
Uses	• Appliances • Automotive Applications • Lawn and Garden Equipment
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)	29	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Injection Molded)	2610	psi	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	5.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	130000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
0°F, Injection Molded	2.3	ft-lb/in	
73°F, Injection Molded	11	ft-lb/in	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed, Injection Molded	198	°F	

Notes

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

² 2.0 in/min

³ 0.051 in/min