



Formolene® 6575N

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

Tuesday, November 5, 2019

General Information

Product Description

Formolene® 6575N is a very high melt flow, high impact copolymer polypropylene. It is designed for injection applications in rigid packaging, industrial, consumer and transportation requiring good impact strength especially in cold temperatures. It is characterized by easy mold flow, excellent physical property balance and finished product dimensional stability.

Material has been approved under automotive specification - Toyota TSM 5514G Class 3B.

Formolene® 6575N 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	• Food Contact Acceptable	• High Flow	• No Animal Derived Components
	• Good Dimensional Stability	• Impact Copolymer	
	• Good Mold Release	• Medium Impact Resistance	
Uses	• Consumer Applications	• Household Goods	• Packaging
Agency Ratings	• EC 1907/2006 (REACH)	• FDA 21 CFR 177.1520	
Automotive Specifications	• TOYOTA TSM 5514G-3B		
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)	75	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)	6.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	155000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
32°F	1.2	ft·lb/in	
73°F	3.0	ft·lb/in	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	89		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed, Injection Molded	214	°F	

Notes

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

² 2.0 in/min

³ 0.051 in/min

UL and the UL logo are trademarks of UL LLC © 2019. All Rights Reserved.

The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content.