



## Formolene® 2620A

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

Tuesday, November 5, 2019

### General Information

#### Product Description

Formolene® 2620A is a high impact copolymer of polypropylene designed for applications such as automotive compounds and lawn & garden products and appliances. It is characterized by its easy mold flow, excellent physical property balance of stiffness and impact at room temperature and sub ambient conditions as well as finished product dimensional stability.

Material has been approved under automotive specification - FCA MS-DB-500 CPN 4919.

Formolene® 2620A 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 • Good Dimensional Stability • Good Flow	• Good Impact Resistance • Good Processability • Good Stiffness	• Impact Copolymer • Low Temperature 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	
Automotive Specifications	• CHRYSLER MS-DB-500 CPN4919		
Forms	• Pellets		
Processing Method	• Compounding	• Injection Molding	

### ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (230°C/3.8 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield, Injection Molded)	2760	psi	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup> (Injection Molded)	120000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact -22°F, Injection Molded	1.6	ft·lb/in	ASTM D256A
0°F, Injection Molded	1.8	ft·lb/in	
32°F, Injection Molded	2.0	ft·lb/in	
73°F, Injection Molded	11	ft·lb/in	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	85		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 66 psi, Unannealed, Injection Molded	185	°F	ASTM D648

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Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed, Injection Molded	122	°F	ASTM D648

## Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 2.0 in/min

<sup>3</sup> 0.051 in/min