



## Formolene® 6620A

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

Tuesday, November 5, 2019

### General Information

#### Product Description

Formolene® 6620A is a copolymer of polypropylene designed and formulated for injection molding applications including pails, crates and furniture. It contains a unique combination of stabilizers for good processing and long term, end use performance. It has an excellent balance of stiffness and impact strength necessary for demanding applications.

Formolene® 6620A 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	• Unspecified Stabilizer		
Features	• Food Contact Acceptable	• Good Processability	• Impact Copolymer
	• Good Impact Resistance	• Good Stiffness	• No Animal Derived Components
Uses	• Containers	• Furniture	• Pails
Agency Ratings	• EC 1907/2006 (REACH)	• FDA 21 CFR 177.1520	
Forms	• Pellets		
Processing Method	• Injection Molding		

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

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (230°C/2.16 kg)	20	g/10 min	ASTM D1238
<b>Mechanical</b>			
Tensile Strength <sup>2</sup> (Yield, Injection Molded)	3050	psi	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, Injection Molded)	7.5	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup> (Injection Molded)	140000	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact			ASTM D256A
-22°F, Injection Molded	0.81	ft·lb/in	
0°F, Injection Molded	1.1	ft·lb/in	
73°F, Injection Molded	10	ft·lb/in	
<b>Hardness</b>			
Rockwell Hardness (R-Scale, Injection Molded)	95		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed, Injection Molded	187	°F	

#### 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

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