



## Formolene® 61450

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

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### General Information

#### Product Description

Impact Copolymer for Appliance Applications

Formolene® 61450 is a medium impact copolymer of polypropylene characterized by its easy mold flow, physical property balance and excellent dimensional stability. It is designed for consumer products and appliance applications requiring long-term heat-aging resistance and flexural endurance. It has additional stiffness for good service performance

Formolene® 61450 has earned a UL continuous service rating of 110°C with recognition for typical use in laundry equipment.

This material is free of animal-derived content.

#### General

Material Status	• Commercial: Active
Availability	• North America
Features	<ul style="list-style-type: none"><li>• Durable</li><li>• Good Dimensional Stability</li><li>• Good Flexibility</li><li>• Good Flow</li></ul> <ul style="list-style-type: none"><li>• Good Impact Resistance</li><li>• Good Mold Release</li><li>• Good Stiffness</li><li>• Heat Aging Resistant</li></ul> <ul style="list-style-type: none"><li>• Impact Copolymer</li><li>• No Animal Derived Components</li></ul>
Uses	• Appliances
Agency Ratings	• EC 1907/2006 (REACH)
Forms	• Pellets
Processing Method	• 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/2.16 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield, Injection Molded)	4210	psi	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, Injection Molded)	6.0	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup> (Injection Molded)	195000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, Injection Molded)	1.7	ft-lb/in	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 66 psi, Unannealed, Injection Molded	223	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed, Injection Molded	138	°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