



Formolene® 6510A

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

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General Information

Product Description

Formolene® 6510A is a medium impact copolymer of polypropylene characterized by its easy mold flow, physical property balance and excellent dimensional stability. It has found use in applications including closures, housewares, small appliances, and battery cases and lids.

Formolene® 6510A 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 Processability	• Impact Copolymer • Medium Impact Resistance
Uses	• Appliances • Battery Cases	• Closures • Household Goods	• Lids
Agency Ratings	• EC 1907/2006 (REACH)	• FDA 21 CFR 177.1520	
Forms	• Pellets		

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)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Injection Molded)	3630	psi	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	165000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, Injection Molded)	2.1	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	100		ASTM D785

Notes

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

² 2.0 in/min

³ 0.051 in/min