



Formolene® 2510A

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

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General Information

Product Description

Formolene® 2510A is a medium impact copolymer polypropylene for use in injection molding applications including battery cases and lids. It is characterized by easy mold flow, physical property balance and excellent dimensional stability. It contains a unique combination of stabilizers, which provides excellent processing and usage performance.

Formolene® 2510A 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.

General

Material Status	• Commercial: Active		
Availability	• North America		
Additive	• Unspecified Stabilizer		
Features	• Food Contact Acceptable • Good Dimensional Stability • Good Flow	• Good Processability • Impact Copolymer • Medium Impact Resistance	• No Animal Derived Components
Uses	• Battery Cases	• Lids	
Agency Ratings	• EC 1907/2006 (REACH)	• FDA 21 CFR 177.1520	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties¹

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)	3480	psi	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	150000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
32°F, Injection Molded	1.5	ft-lb/in	
73°F, Injection Molded	2.1	ft-lb/in	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	95		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed, Injection Molded	185	°F	

Notes

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

² 2.0 in/min

³ 0.051 in/min