

# Formolene® 2510A

Polypropylene Impact Copolymer

Formosa Plastics Corporation, U.S.A.

## Message:

Formolene® 2510A is a medium impact copolymer of 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 all 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 Information			
UL YellowCard	E205741-228206		
Additive	Unspecified Stabilizer		
Features	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Flow		
	Good Processability		
	Impact Copolymer		
Uses	Medium Impact Resistance		
Agency Ratings	Battery Cases		
	Lids		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	103		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, Injection Molded)	24.1	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, Injection Molded)	6.0	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup> (Injection Molded)	1030	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256

0°C, Injection Molded	80	J/m	
23°C, Injection Molded	110	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	85.0	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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