

Formolene® 2510W

Polypropylene Impact Copolymer

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® 2510W is a medium impact copolymer of polypropylene characterized by its easy mold flow, physical property balance and excellent dimensional stability. It contains a unique combination of stabilizers and pigment, which give it excellent processing and improved color. Formolene® 2510W 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	E205741-228207		
Additive	Unspecified Stabilizer		
Features	Food Contact Acceptable		
	Good Color Stability		
	Good Dimensional Stability		
	Good Flow		
	Good Processability		
	Impact Copolymer		
	Medium Impact Resistance		
Uses	Battery Cases		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Appearance	White		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	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 ¹ (Yield, Injection Molded)	24.1	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	6.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	1070	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C, Injection Molded	75	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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