

Formolene® 5101M

Polypropylene Homopolymer

Formosa Plastics Corporation, U.S.A.

Message:

Homopolymer for Staple Fiber

Formolene® 5101M is a polypropylene homopolymer designed for staple fiber applications. It contains a unique combination of stabilizers and additives, which provides excellent processability and good end use performance. It possesses mild resistance to UV.

Formolene® 5101M 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			
Additive	Unspecified Additive		
	Unspecified Stabilizer		
Features	Food Contact Acceptable		
	Good Processing Stability		
	Good UV Resistance		
	Homopolymer		
Uses	Staple Fibers		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Injection Molded)	33.1	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	1240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	32	J/m	ASTM D256
NOTE			
1.	50 mm/min		
2.	50 mm/min		

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