



Formosa Plastics®

Formolene® PP

Formolene® 5101M

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.

Typical Properties of this Commercial Grade

Melt Flow Rate, I ₂ 230°C, g/10 min	ASTM D1238	8.0
Density, g/cm ³	ASTM D1505	0.9
Tensile Strength at Yield (50 mm/min), psi	ASTM D638	4,800
Elongation at Yield (50 mm/min), %	ASTM D638	9.0
Flexural Modulus (1.3 mm/min), 1% Secant, psi	ASTM D790	180,000
Rockwell Hardness, R Scale	ASTM D785	105
Notched Izod Impact Strength @ 73°F, ft-lb/in	ASTM D256	0.6

Note: Specimens were injection molded according to the conditions specified in ASTM D4101.

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*FM 46020 applies to specific copolymers

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ISO 9001:2008
FS 70459
FM 31429
FM 46020*



ISO 14001:2004
EMS 35710