Manufacturer website: https://www.fpcusa.com/

Formosa Plastics®

Formolene® PP

Formolene® 5100I

Homopolymer for Compounding and Extrusion Applications

Formolene® 5100I is a high molecular weight, polypropylene homopolymer designed for compounding and extrusion applications. It has applications in blow molding and thermoforming of large components and profile extrusion blow molding. It contains a unique combination of stabilizers and additives, which provides excellent processability and good end use performance. It does not contain slip or anti-block.

Formolene® 5100I 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. For additional information on approved conditions of use for food contact applications, please refer to the "Products" section on our website (http://www.fpcusa.com/ourproducts.html).

This material is free of animal-derived content.

Typical Properties of this Commercial Grade

Property	Test Method	Typical Values	
		English	SI
Melt Flow Rate, I_2 @ 230°C	ASTM D1238	0.7 g/10 min	0.7 g/10 min
Density	ASTM D1505	0.9 g/cm^3	0.9 g/cm^3
Tensile Strength at Yield (50 mm/min)	ASTM D638	5,200 psi	36 MPa
Elongation at Yield (50 mm/min)	ASTM D638	9 %	9 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	220,000 psi	1517 MPa
Rockwell Hardness	ASTM D785	110 R Scale	110 R Scale
Notched Izod Impact Strength @ 73°F	ASTM D256A	1.5 ft-lb/in	80 J/m

Note: Specimens were injection molded according to the conditions specified in ASTM D4101.
Data for representative purposes only; not to be construed as product specification.
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