Formosa Plastics®

Formolene® PP

Formolene® 5181K

Homopolymer for Extrusion Applications Including Straws

Formolene® 5181K is a high molecular weight, highly isotactic, polypropylene homopolymer containing anti-stat designed for straws and cutlery. It contains a unique combination of stabilizers, which give it process stability and good end use performance.

Formolene® 5181K 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	5.0 g/10 min	5.0 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	5,100 psi	36 MPa
Elongation at Yield (50 mm/min)	ASTM D638	9 %	9 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	200,000 psi	1379 MPa
Rockwell Hardness	ASTM D785	110 R Scale	110 R Scale
Notched Izod Impact Strength @ 73°F	ASTM D256A	0.7 ft-lb/in	37 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. Published 3/02, Revised 3/18

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