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

Formosa Plastics®

Formolene® PP

Formolene® 1203K

Homopolymer for BOPP Film

Formolene® 1203K is a polypropylene homopolymer manufactured with a non-phthalate catalyst system and does not include intentionally added phthalate compounds. Formolene® 1203K is designed for improved processability in the stretching process, which also results in better end use performance than existing grades. It does not contain slip or antiblock.

Formolene® 1203K 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.

Suggested Applications: BOPP Film, Profile Extrusion, Blow Molding, Thermoforming, Injection Molding, Compounding, General Purpose Extrusion, Raffia and Monofilaments

Typical Properties of this Commercial Grade

Property	Test Method	Typical Values	
		English	SI
Melt Flow Rate, I_2 @ 230°C	ASTM D1238	3 g/10 min	3 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	5,000 psi	34 MPa
Elongation at Yield (50 mm/min)	ASTM D638	10 %	10 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	200,000 psi	1379 MPa
Rockwell Hardness	ASTM D785	104 R Scale	104 R Scale
Notched Izod Impact Strength @ 73°F	ASTM D256A	1.0 ft-lb/in	53 J/m

Notes: 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 07/18, Revised 09/26

Any inquiries regarding this data sheet should be addressed to: 9 Peach Tree Hill Road • Livingston, NJ 07039 • Phone: (888) FPCUSA3 • Fax: (973) 422-7772

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