



FPC USA

Formolene 1102K

A Homopolymer of Polypropylene For BOPP

Formolene 1102K is a high molecular weight, highly isotactic polypropylene homopolymer designed for biaxially oriented film. It contains a unique combination of stabilizers which give it process stability and end use performance. It contains neither slip nor antiblock.

Formolene 1102K 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	3.0
Density, g/cm ³	ASTM D1505	0.903
Tensile Strength at Yield (50 mm/min), psi	ASTM D638	5,700
Elongation at Yield (50 mm/min), %	ASTM D638	9
Flexural Mod. (1.3 mm/min), 1% Secant, psi	ASTM D790	220,000
Rockwell Hardness, R Scale	ASTM D785	109
Notched Izod Impact Strength @ 73°F, ft-lb/in	ASTM D256	0.7
Notched Charpy Impact Strength @ 73°F, ft-lb/in	ASTM D256	1.3

Note: Specimens were injection molded according to the conditions specified in ASTM D4101.
Published 3/99, Last Revised 02/01

ISO 9002 & ISO 14001
Certificate Numbers
FM 31429, EMS 35710



9 Peach Tree Hill Rd. Ph.: (888) FPCUSA3
Livingston, NJ 07039 Fax: (973) 716-7230

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions concerning uses or applications are only the opinion of FORMOSA PLASTICS CORPORATION, U.S.A. and users should perform their own tests to determine the suitability of these products for their own particular purposes. However, because of numerous factors affecting the results, FORMOSA PLASTICS CORPORATION, U.S.A. MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, other than that the material conforms to the applicable current Standard Specifications Statements herein, therefore, should not be construed as representations or warranties. The responsibility of FORMOSA PLASTICS CORPORATION, U.S.A. for claims arising out of breach of warranty, negligence, strict liability or otherwise is limited to the purchase price of the material. Statements concerning the use of the products of formulations described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.