Formosa Plastics®

Formolene® PP

Formolene® 5100H

Homopolymer for Strapping

Formolene® 5100H is a polypropylene homopolymer designed for various extrusion applications, notably strapping. It contains a unique combination of stabilizers and additives, which provides excellent processability and good end use performance.

Formolene® 5100H 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	Typical Values SI
Melt Flow Rate, I_2 @ 230°C	ASTM D1238	1.2 g/10 min	1.2 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	210,000 psi	1448 MPa
Rockwell Hardness	ASTM D785	105 R Scale	105 R Scale
Notched Izod Impact Strength @ 73°F	ASTM D256A	1.0 ft-lb/in	53 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 7/02, Revised 3/18

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

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.

© Formosa Plastics Corporation, U.S.A.

Formolene® is a registered trademark of FPC USA

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