



**Formosa Plastics
Corporation, U.S.A.**

Formolene 5100H

Homopolymer For Extrusion Processing

Formolene 5100H is a high molecular weight, highly isotactic polypropylene homopolymer designed for various extrusion profile, sheet, and film applications, notably strapping. It contains a unique combination of stabilizers, which give it process stability and superior end use performance. It does not contain slip or anti-block.

Formolene 5100H 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 Grade

Melt Flow Rate, I ₂ @ 230°C, g/10 min	ASTM D1238	1.1
Density, g/cm ³	ASTM D1505	0.902
Tensile Strength at Yield (50 mm/min), psi	ASTM D638	4800
Elongation at Yield (50 mm/min), %	ASTM D638	9.0
Flexural Modulus (1.3 mm/min), 1% Secant, psi	ASTM D790	180,000
Rockwell Hardness, R Scale	ASTM D785	105
Notched Izod Impact Strength @ 73°F, ft-lb/in	ASTM D256	0.9

Note: Specimens were injection molded according to the conditions specified in ASTM D4101.

Published 7/02, Reviewed 10/04

ISO 9002, ISO 14001 & QS9000

FM 31429, EMS 35710, FM46020*

(*Applies to specific impact copolymers)



**9 Peach Tree Hill Rd. Ph: (888) 372-8723, ext.7677
Livingston, NJ 07039 Fax: (973) 422-7856**

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 MANUFACTURING 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.