



Formosa Plastics®

Formolene® PP

Formolene 5143H

Homopolymer For Extrusion Sheet and Thermoforming Applications

Formolene 5143H is a polypropylene homopolymer designed for sheet and thermoforming applications requiring good clarity. It contains a unique combination of stabilizers, nucleators and anti-stats that give it an excellent balance of stiffness and impact strength. Formolene 5143H offers advantages in processing over other polypropylenes used for thermoforming, including a broad forming window and fast setup time.

Formolene 5143H 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	2.1
Density, g/cm ³	ASTM D1505	0.9
Tensile Strength at Yield (50 mm/min), psi	ASTM D638	5,300
Elongation at Yield (50 mm/min), %	ASTM D638	9
Flexural Modulus (1.3 mm/min), 1% Secant, psi	ASTM D790	240,000
Notched Izod Impact Strength @ 73°F, ft-lb/in	ASTM D256	0.8
% Haze on 1 mm Injection Molded Plaque	ASTM D1003	18
Heat Deflection Temperature @ 66 psi, °C	ASTM D648	116

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

Published 8/03, Last Revised 1/06

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



ISO 9001:2000
FS 70459
FM 31429
FM 46020



ISO 14001
EMS 35710



Formosa Plastics®

Formolene® PP

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

Printed in the USA on recycled paper 

Formolene® is a registered trademark of FPC USA

©Formosa Plastics Corporation, U.S.A.



ISO 9001:2000
FS 70459
FM 31429
FM 46020



ISO 14001
EMS 35710