


Formosa Plastics®
Formolene® PP

Formolene® 3380E

Random Copolymer for Clear Storage and Food and Beverage Containers

Formolene® 3380E is a very high melt flow random copolymer with fast cycle time and easy processability. It is designed for injection molding including thin wall applications requiring good mold and part release. The use of an advanced clarifier which provides the aesthetic values of neutral color and low haze – makes it an excellent choice for ‘see-through’ house wares and rigid packaging.

Formolene® 3380E 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	SI
Melt Flow Rate, I2 @ 230°C	ASTM D1238	80 g/10 min	80 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	4,200 psi	29 MPa
Elongation at Yield (50 mm/min)	ASTM D638	14 %	14 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	160,000 psi	1103 MPa
Notched Izod Impact Strength @ 73°F	ASTM D256A	1.1 ft-lb/in	59 J/m
Gardner Impact @73 ⁰ F	ASTM D5420	185 in-lb	21 J-m
Heat Deflection Temperature @ 66 psi	ASTM D648	178 °F	81 °C
Plaque haze (1 mm), %	FPC Method	10 %	10 %

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 07/13, 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