Formosa Plastics®

Formolene® PP

Formolene® 6502A

Impact Copolymer for Extrusion Applications

Formolene® 6502A is a high impact copolymer polypropylene with an excellent balance of toughness and stiffness. It is suitable for blow-molded bottles and components, heavy gauge sheet for thermoformed containers and components and profile extrusions including corrugated board.

Material has been approved under automotive specification - FCA MS-DB-500 CPN 4809.

Formolene® 6502A 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, I_2 @ 230°C	ASTM D1238	1.5 g/10min	1.5 g/10 min
Density	ASTM D1505	0.9 g/cm3	0.9 g/cm³
Tensile Strength at Yield (50 mm/min)	ASTM D638	3,800 psi	26 MPa
Elongation at Yield (50 mm/min)	ASTM D638	8 %	8 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	175,000 psi	1,207 MPa
Rockwell Hardness	ASTM D785	95 R Scale	95 R Scale
Notched Izod Impact Strength @ 73°F	ASTM D256A	No break	No break
Notched Izod Impact Strength @ 32°F	ASTM D256A	1.7 ft-lb/in	91 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	212 °F	100 °C

Notes: 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 4/03, Revised 11/24

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