



# BAPOLAN®

## POLYSTYRENE BAPOLAN® 6450 INJECTION MOLDING

**Description:** Bapolan® 6450 is a **high impact** polystyrene resin designed for injection molding applications requiring fast cycle times, superior impact and gloss. It complies with US FDA 21 CFR 177.1640 and 94HB UL rating.

**Application:** General purpose, housewares, and housings.

*Values reported are typical and should not be interpreted as specification.*

All data are based on molded plaques.

GENERAL PROPERTIES	NOMINAL VALUE	ASTM TEST METHOD
Melt Index <sup>1</sup> , g/10 min.	8.0	D-1238
HDT <sub>66 psi (0.45 MPa)</sub> , °F (°C)	191 (88)	D-648
<b>PROPERTIES</b>		
Tensile Strength @ Yield, psi (MPa)	3,500 (24)	D-638
Elongation @ Yield, %	43	D-638
Flexural Modulus <sub>1% Secant</sub> , psi (MPa)	338,000 (2,330)	D-790A
IZOD <sub>Notched @ 23°C</sub> , ft-lb <sub>i</sub> /in (J/m)	2.0 (107)	D-256

<sup>1</sup> 200°C/ 5,000 g

THIS PRODUCT DATA SHEET EFFECTIVE JUNE 2009 SUPERSEDES ALL DATA PREVIOUSLY PUBLISHED

### BAMBERGER POLYMERS

Two Jericho Plaza, Jericho, New York, 11753, U.S.A. / Tel: 516-622-3600 / Fax: 516-622-3620 / Email: [bpinfo@bapoly.com](mailto:bpinfo@bapoly.com)

*Bamberger Polymers does not guarantee the applicability or the accuracy of the information contained herein, nor the suitability of the products described herein for any particular purpose. No warranties of any kind, either express or implied, are made with respect to the products described herein or with respect to the use of the products described herein. The user assumes all risk and liabilities in connection with such usage.*