



# BAPOLENE®

## POLYPROPYLENE BAPOLENE® 4072 INJECTION MOLDING

**Description:** Bapolene® 4072 is a homopolymer polypropylene for general purpose injection molding applications. This material meets the requirements of the US FDA as specified in 21 CFR 177.1520<sup>1</sup>.

**Application:** Closures, housewares, and TWIM.

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

All data are based on molded plaques.

| GENERAL PROPERTIES<br>METHOD                      | NOMINAL VALUE   | ASTM TEST |
|---|-----------------|-----------|
| Melt Index <sup>1</sup> , g/10 min.               | 22.0            | D-1238    |
| <b>PROPERTIES</b>                                 |                 |           |
| Tensile Strength @ Yield, psi (MPa)               | 5,250 (36)      | D-638     |
| Elongation @ Yield, %                             | 10              | D-638     |
| Flexural Modulus <sup>1% Secant</sup> , psi (MPa) | 205,000 (1,413) | D-790     |
| IZOD Notched @ 23°C, ft-lb <sub>i</sub> /in (J/m) | 0.5 (27)        | D-256     |
| Rockwell Hardness                                 | 103             | D-785     |

<sup>1</sup> End use and/or migration limitations may apply.

<sup>2</sup> 230°C/2,160 g

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

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