


**Formosa Plastics®**
**Formolene® PP**

## Formolene® 3312B

### **Random Copolymer for Clear Storage Containers and Food and Beverage Containers**

Formolene® 3312B is a medium melt flow random copolymer with fast cycle time and easy mold release. It is designed for injection molding applications. Its clarity makes it an excellent choice for “see-through” housewares and rigid packaging.

Formolene® 3312B 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 <sub>2</sub> @ 230°C   | ASTM D1238  | 12 g/10 min           | 12 g/10 min           |
| Density                                  | ASTM D1505  | 0.9 g/cm <sup>3</sup> | 0.9 g/cm <sup>3</sup> |
| Tensile Strength at Yield (50 mm/min)    | ASTM D638   | 4,400 psi             | 30 MPa                |
| Elongation at Yield (50 mm/min)          | ASTM D638   | 13 %                  | 13 %                  |
| Flexural Modulus (1.3 mm/min), 1% Secant | ASTM D790   | 155,000 psi           | 1069 MPa              |
| Rockwell Hardness                        | ASTM D785   | 108 R Scale           | 108 R Scale           |
| Notched Izod Impact Strength @ 73°F      | ASTM D256A  | 1.5 ft-lb/in          | 80 J/m                |
| Gardner Impact Strength @ 23°C           | ASTM D2794  | 170 in-lb             | 19 J                  |
| Heat Deflection Temperature @ 66 psi     | ASTM D648   | 194 °F                | 90 °C                 |
| Plaque Haze, %                           | FPC method  | 15 %                  | 15 %                  |

*Notes: Specimens were injection molded according to the conditions specified in ASTM D4101. Gardener Specimen thickness was 3.2 mm. Data for representative purposes only; not to be construed as product specification.*

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