



Formosa Plastics®

# Formolene® 3355E

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

Formolene® 3355E is a high melt flow random copolymer with fast cycle time and good mold and denesting release. It is designed for injection molding including thin wall applications.

The use of an advanced clarifier with low yellowness index and haze – makes it an excellent choice for ‘see-through’ housewares and rigid packaging. Use of this clarifier allows processors to run at lower temperatures - resulting in the potential for cycle time reductions and energy savings.

Formolene® 3355E 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  | 55 g/10min            | 55 g/10min            |
| 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   | 4,200 psi             | 29 MPa                |
| Elongation at Yield (50 mm/min)          | ASTM D638   | 14 %                  | 14 %                  |
| Flexural Modulus (1.3 mm/min), 1% Secant | ASTM D790   | 150,000 psi           | 1034 MPa              |
| Notched Izod Impact Strength @ 73°F      | ASTM D256A  | 1.0 ft-lb/in          | 53 J/m                |
| Gardner Impact @73°F                     | ASTM D5420  | 180 in-lb             | 20 J                  |
| Heat Deflection Temperature @ 66psi      | ASTM D648   | 178 °F                | 81 °C                 |
| Plaque haze (1 mm), %                    | FPC Method  | 10 %                  | 10 %                  |

Note: 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 01/13, Revised 3/18

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