



Formosa Plastics®

Formolene® PP

# Formolene® 3312B

## Random Copolymer for Storage Boxes, Pill Vials and 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 all 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.

### Typical Properties of this Commercial Grade

Melt Flow Rate, I <sub>2</sub> @ 230°C, g/10 min	ASTM D1238	12.0
Density, g/cm <sup>3</sup>	ASTM D1505	0.9
Tensile Strength at Yield (50 mm/min), psi	ASTM D638	4,400
Elongation at Yield (50 mm/min), %	ASTM D638	13
Flexural Modulus (1.3 mm/min), 1% Secant, psi	ASTM D790	155,000
Rockwell Hardness, R Scale	ASTM D785	108
Notched Izod Impact Strength @ 73°F, ft-lb/in	ASTM D256	1.5
Gardner Impact Strength @ 23°C	ASTM D-2794	170 in-lb
Heat Deflection Temperature @ 66psi, °C	ASTM D648	90
Plaque Haze, %	FTTC 5606	15

Notes: Specimens were injection molded according to the conditions specified in ASTM D4101.

Gardener Specimen thickness was 3.2 mm

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\*FM 46020 applies to specific copolymers

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FS 70459  
FM 31429  
FM 46020\*



ISO 14001:2004  
EMS 35710