



Formosa Plastics®

Formolene® PP

## Formolene® 2306N

### Impact Copolymer for Compression and Injection Molded Caps and Closures

Formolene® 2306N is a polypropylene copolymer formulated for compression and injection molded cap applications. It was created specifically to meet the demands of beverage closures including those containing carbonation. 2306N offers advantages in both processing and physical properties over traditional polypropylene grades. Of interest is good resistance to blushing caused typically through secondary process operations or supply chain handling.

Formolene® 2306N 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	6.0
Density, g/cm <sup>3</sup>	ASTM D1505	0.9
Tensile Strength at Yield (50 mm/min), psi	ASTM D638	4,350
Elongation at Yield (50 mm/min), %	ASTM D638	9
Flexural Modulus (1.3 mm/min), 1% Secant, psi	ASTM D790	200,000
Rockwell Hardness, R Scale	ASTM D785	110
Notched Izod Impact Strength @ 73°F, ft-lb/in	ASTM D256	5.0
Notched Izod Impact Strength @ 0°C, ft-lb/in	ASTM D256	1.6
Heat Deflection Temperature @ 66psi, °C	ASTM D648	115

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

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\*FM 46020 applies to specific copolymers

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FS 70459  
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FM 46020\*



ISO 14001:2004  
EMS 35710