Formosa Plastics®

Formolene® PP

# Formolene® 2706N

## *Copolymer for Heavy Duty Injection Molded Applications*

Formolene® 2706N is a high impact copolymer of polypropylene designed and formulated for injection molding applications. It exhibits an excellent balance of stiffness and impact strength including performance at lower temperatures. Formolene 2706N offers advantages in both processing and physical properties for applications including pails, crates and other material handling components.

Formolene® 2706N 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, $I_2$ @ 230°C | ASTM D1238 | 7 g/10 min | 7 g/10 min |
| Density | ASTM D1505 | 0.9 g/cm$^3$ | 0.9 g/cm$^3$ |
| Tensile Strength at Yield (50 mm/min) | ASTM D638 | 2,700 psi | 19 MPa |
| Elongation at Yield (50 mm/min) | ASTM D638 | 7 % | 7 % |
| Flexural Modulus (1.3 mm/min), 1% Secant | ASTM D790 | 120,000 psi | 827 MPa |
| Notched Izod Impact Strength @ 73°F | ASTM D256A | 14.0 ft-lb/in | 748 J/m |
| Notched Izod Impact Strength @ 32°F | ASTM D256A | 13.6 ft-lb/in | 726 J/m |
| Notched Izod Impact Strength @ 0°F | ASTM D256A | 3.0 ft-lb/in | 160 J/m |
| Notched Izod Impact Strength @ -22°F | ASTM D256A | 2.6 ft-lb/in | 139 J/m |
| Rockwell Hardness | ASTM D785 | 100 R Scale | 100 R Scale |
| Heat Deflection Temperature @ 66 psi | ASTM D648 | 185 °F | 85 °C |

*Notes: 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 3/99, Revised 3/18*

**Any inquiries regarding this data sheet should be addressed to: 9 Peach Tree Hill Road • Livingston, NJ 07039 • Phone: (888) FPCUSA3 • Fax: (973) 422-7772**

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