


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

## Formolene® 5100J

### *Homopolymer for Compounding and Extrusion Applications*

Formolene® 5100J is a high molecular weight, polypropylene homopolymer designed for compounding and extrusion applications. It has applications in blow molding and thermoforming of large components and profile extrusion blow molding. It contains a unique combination of stabilizers and additives, which provides excellent processability and good end use performance. It does not contain slip or anti-block.

Formolene® 5100J 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  | 0.5 g/10 min          | 0.5 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   | 5,200 psi             | 36 MPa                |
| Elongation at Yield (50 mm/min)          | ASTM D638   | 9 %                   | 9 %                   |
| Flexural Modulus (1.3 mm/min), 1% Secant | ASTM D790   | 220,000 psi           | 1517 MPa              |
| Rockwell Hardness                        | ASTM D785   | 110 R Scale           | 110 R Scale           |
| Notched Izod Impact Strength @ 73°F      | ASTM D256A  | 1.5 ft-lb/in          | 80 J/m                |

*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.*

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