



Formolene® 5100H

Homopolymer for Strapping

Formolene® 5100H is a polypropylene homopolymer designed for various extrusion applications, notably strapping. It contains a unique combination of stabilizers and additives, which provides excellent processability and good end use performance.

Formolene® 5100H 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 | 1.2 g/10 min | 1.2 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 | 5,000 psi | 34 MPa |
| Elongation at Yield (50 mm/min) | ASTM D638 | 10 % | 10 % |
| Flexural Modulus (1.3 mm/min), 1% Secant | ASTM D790 | 210,000 psi | 1448 MPa |
| Rockwell Hardness | ASTM D785 | 105 R Scale | 105 R Scale |
| Notched Izod Impact Strength @ 73°F | ASTM D256A | 1.0 ft-lb/in | 53 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. Published 7/02, 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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