



FPC USA

## Formolene 1102KR

### A Homopolymer of Polypropylene For Cast Film

Formolene 1102KR is a highly isotactic polypropylene homopolymer designed primarily for cast film applications such as slit tape fabric stock and cordage. It contains a unique combination of stabilizers which give it low water carry over as well as excellent melt stability.

Formolene 1102KR 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	4.0
Density, g/cm <sup>3</sup>	ASTM D1505	0.903
Tensile Strength at Yield (50 mm/min), psi	ASTM D638	5,700
Elongation at Yield (50 mm/min), %	ASTM D638	9
Flexural Mod. (1.3 mm/min), 1% Secant, psi	ASTM D790	220,000
Rockwell Hardness, R Scale	ASTM D785	109
Notched Izod Impact Strength @ 73°F, ft-lb/in	ASTM D256	0.7
Notched Charpy Impact Strength @ 73°F, ft-lb/in	ASTM D256	1.3

Note: Specimens were injection molded according to the conditions specified in ASTM D4101.  
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ISO 9002 & ISO 14001  
Certificate Numbers  
FM 31429, EMS 35710



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