



Formosa Plastics®

Formolene® 5102KR

Homopolymer for Raffia

Formolene® 5102KR is a polypropylene homopolymer designed for raffia application. Its unique formulation provides excellent low water carryover.-

Formolene® 5102KR 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 ₂ @ 230°C, g/10 min | ASTM D1238 | 4.0 |
| Density, g/cm ³ | ASTM D1505 | 0.9 |
| Tensile Strength at Yield (50 mm/min), psi | ASTM D638 | 4,800 |
| Elongation at Yield (50 mm/min), % | ASTM D638 | 9 |
| Flexural Modulus (1.3 mm/min), 1% Secant, psi | ASTM D790 | 180,000 |
| Rockwell Hardness, R Scale | ASTM D785 | 105 |
| Notched Izod Impact Strength @ 73°F, ft-lb/in | ASTM D256 | 0.8 |

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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ISO 9001:2008
FS 70459
FM 31429
FM 46020*



ISO 14001:2004
EMS 35710