vinmar polymers america

# VINPOL™ PI160K

## Impact Copolymer Polypropylene

Melt Flow: 16 | Density: 0.90

**VINPOL PI160K** is an impact copolymer polypropylene that exhibits high flexibility and strength. The resin is considered "No break." This product 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.

| Resin Property | Typical Value | Units | Test Method |
|---|---|---|---|
| Melt Flow | 16 | g/10 min | ASTM D-1238 |
| Density | 0.90 | g/cm$^3$ | Supplier Method |
| Tensile Strength at Yield (50 mm/min) | 2,800 (19) | psi (MPa) | ASTM D-638 |
| Elongation at Yield (50 mm/min) | 7 | % | ASTM D-638 |
| Flexural Modulus (1% Secant, 1.3 mm/min) | 140,000 (965) | psi (MPa) | ASTM D-790 |
| Notched Izod Impact Strength, 23° C (73°F) | No Break | ft-lb/in (J/m) | ASTM D-256 |

Vinmar Polymers America cannot anticipate or control the many different conditions under which this information and/or product may be used. It does not guarantee the applicability or the accuracy of this information or the suitability of its products in any given situation. User of the material should make their own tests to determine the suitability of each such product for their particular purposes. The data listed herein falls within the normal range of product properties, but they should not be used to establish specification limits or used alone as the basis of design.

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