

VINPOL™ PH005

Homopolymer Polypropylene

Melt Flow: 0.5

Density: 0.9

VINPOL PH005 is a homopolymer polypropylene designed for sheet extrusion. It has high strength, heat resistance and transparency. Applications include flat sheet items such as binders, stationary files and food packaging and industrial tray vacuum forming.

| Resin Property | Typical Value | Units | Test Method |
|--|-----------------|-------------------|-------------|
| Melt Flow: 0.7 | 0.5 | g/10 min | ASTM D-1238 |
| Density | 0.9 | g/cm ³ | ASTM D792 |
| Tensile Strength at Yield | 5,260 (36) | psi (MPa) | ASTM D-638 |
| Tensile Strain at Break | >100 | % | ASTM D-638 |
| Flexural Modulus, 1% Secant (1.3mm/min) | 228,000 (1,570) | psi (MPa) | ASTM D-790 |
| Notched Izod Impact Strength, 23° C | 0.92 (49) | ft-lb/in (J/m) | ASTM D-256 |
| Notched Izod Impact Strength, -10° C | 0.46 (25) | ft-lb/in (J/m) | ASTM D-256 |
| Heat Deflection Temperature (4.6 kgf/cm ²) | 105 | ° C | ASTM D-648 |

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.