



### VinPol™ PR400M

#### Random Copolymer Polypropylene

Melt Flow: 40

Density: 0.90

**VINPOL PR400M** is a clarified random copolymer designed for injection molding applications requiring high transparency and contact clarity, good impact properties, high flow/easy processing. Targeted applications include high transparency containers, housewares and other rigid consumer packaging.

| Resin Property                                | Typical Value | Units             | Test Method |
|-----------------------------------------------|---------------|-------------------|-------------|
| Melt Flow, 230°C, 2.16kg                      | 40            | g/10 min          | ASTM D-1238 |
| Density                                       | 0.90          | g/cm <sup>3</sup> | ASTM D-792  |
| Tensile Strength at Yield                     | 3,980 (27)    | psi (MPa)         | ASTM D-638  |
| Elongation at Break                           | >100          | %                 | ASTM D-638  |
| Flexural Modulus, 1% Secant, 0.05 in/min      | 140,000 (965) | psi (MPa)         | ASTM D-790A |
| Notched Izod Impact Strength, 73° F (23°C)    | 1.3 (69)      | ft-lb/in (J/m)    | ASTM D-256  |
| Gardner Impact, 73° F (23°C), Geometry GC     | 185 (20)      | In-lbs (J)        | ASTM D-5420 |
| Deflection Temp. Under Load, 66psi Unannealed | 165 (74)      | °F (°C)           | ASTM D-648  |
| Haze                                          | 11            | %                 | ASTM D-1003 |

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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