



### VINPOL™ PI350K

#### Impact Copolymer Polypropylene

Melt Flow: 35

**VINPOL PI350K** is an ultra high impact copolymer polypropylene designed for injection molding and as a base resin for compounding applications. It has an excellent combination of impact performance, stiffness, flow mechanical properties and heat resistance. Targeted applications include electrical/home appliances, automotive and industrial parts, large containers and thin wall/high speed injection applications.

| Resin Property                            | Typical Value | Units          | Test Method |
|-------------------------------------------|---------------|----------------|-------------|
| Melt Flow                                 | 35            | g/10 min       | ASTM D-1238 |
| Tensile Strength at Yield                 | 2,990 (20.6)  | psi (MPa)      | ASTM D-638  |
| Elongation at Break                       | <300          | %              | ASTM D-638  |
| Flexural Modulus (1% Secant, Inj. Molded) | 142,000 (981) | psi (MPa)      | ASTM D-790  |
| Heat Distortion Temperature               | 110 (230)     | °C (°F)        | ASTM D-648  |
| Notched Izod Impact Strength, 23° C       | >9 (No Break) | ft-lb/in       | ASTM D-256  |
| Notched Izod Impact Strength, -20° C      | 1.3 (69)      | ft-lb/in (J/m) | ASTM D-256  |
| Rockwell Hardness                         | 72            | R              | ASTM D-785  |
| Accelerated Oven Aging (in Air at 150°C)  | 360           | Hrs            | ASTM D-3012 |

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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