



### VinPol™ PH050S

#### Homopolymer Polypropylene

Melt Flow: 5

Density: 0.9

**VINPOL PH050S** is a highly isotactic, homopolymer polypropylene with anti-stat and is designed for straws and cutlery applications. Its tailored stabilizer package enables process ability and excellent final properties. This product meets requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, and it is free of animal-derived content.

| *Resin Property                           | Typical Value   | Units             | Test Method |
|-------------------------------------------|-----------------|-------------------|-------------|
| Melt Flow, I2 @ 230°C                     | 5               | g/10 min          | ASTM D-1238 |
| Density                                   | 0.9             | g/cm <sup>3</sup> | ASTM D-1505 |
| Tensile Strength at Yield, 50 mm/min      | 5,100 (36)      | psi (MPa)         | ASTM D-638  |
| Elongation at Yield, 50 mm/min            | 9               | %                 | ASTM D-638  |
| Flexural Modulus, 1% Secant, 1.3 mm/min   | 200,000 (1,724) | psi (MPa)         | ASTM D-790  |
| Notched Izod Impact Strength, 73°F (23°C) | 0.7 (37)        | ft-lb/in (J/m)    | ASTM D-256  |
| Rockwell Hardness                         | 110             | R Scale           | ASTM D-785  |

*\*Note: Specimens were injection molded according to the conditions specified in ASTM D4101.*

