

VINPOL™ PI360

Impact Copolymer Polypropylene

Melt Flow: 35

Density: 0.90

VINPOL PI360 is an impact copolymer polypropylene with high ethylene content and designed for injection molding applications and as a base resin for compounding. It has good impact performance and high tensile strength. Targeted applications include industrial supplies, as well as a base resin for automotive compounds. This resin is compliant with FDA 21 CFR 177.1520 (C).

| Resin Property | Typical Value | Units | Test Method |
|--|-----------------|-------------------|-------------|
| Melt Flow | 35 | g/10 min | ASTM D-1238 |
| Density | 0.90 | g/cm ³ | ASTM D-792 |
| Tensile Strength at Yield | 3,700 (25) | psi (MPa) | ASTM D-638 |
| Elongation at Break | >50 | % | ASTM D-638 |
| Flexural Modulus | 185,000 (1,270) | psi (MPa) | ASTM D-790 |
| Heat Deflection Temp., 4.6 kgf/cm ² | 221 (105) | °F (°C) | ASTM D-648 |
| Notched Izod Impact Strength, 73° F (23°C) | 1.38 (74) | ft-lb/in (J/m) | ASTM D-256 |
| Notched Izod Impact Strength, 14° F (-10°C) | 0.64 (34) | ft-lb/in (J/m) | ASTM D-256 |
| Flammability | HB | | UL 94 |

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