



VINPOL™ PI280

Impact Copolymer Polypropylene

Melt Flow: 28

Density: 0.91

VINPOL PI280 is an impact copolymer polypropylene designed for injection molding applications. It has high stiffness, good impact performance, processability and appearance. Targeted applications include large electrical and electronics items, W/M and TWIM articles. This resin is compliant with 21 CFR 177.1520.

| Resin Property | Typical Value | Units | Test Method |
|--|-----------------|-------------------|-------------|
| Melt Flow | 28 | g/10 min | ASTM D-1238 |
| Density | 0.91 | g/cm ³ | ASTM D-792 |
| Tensile Strength at Yield | 4,120 (28) | psi (MPa) | ASTM D-638 |
| Elongation at Break | >100 | % | ASTM D-638 |
| Flexural Modulus | 220,000 (1,520) | psi (MPa) | ASTM D-790 |
| Heat Deflection Temperature, 4.6 kgf/cm ² | 248 (120) | °F (°C) | ASTM D-648 |
| Notched Izod Impact Strength, 73° F (23°C) | 1.47 (78) | ft-lb/in (J/m) | ASTM D-256 |
| Notched Izod Impact Strength, 32° F (0°C) | 0.92 (49) | ft-lb/in (J/m) | ASTM D-256 |
| Notched Izod Impact Strength, -4° F (-20°C) | 0.73 (39) | ft-lb/in (J/m) | ASTM D-256 |
| Rockwell Hardness | 90 | R | ASTM D-785 |

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