



VINPOL™ PCASA250R

Polycarbonate + ASA

Melt Flow: 25

With Release Additive

VINPOL PCASA250R is a polycarbonate + ASA designed for injection molding and offering excellent weatherability/UV resistance, high impact, chemical resistance, ROHS/REACH compliance, and high gloss. This product contains an added release additive, is opaque/translucent and available in custom colors. Typical applications include appliances, lawn and garden, automotive, electronics and enclosures.

| Resin Property | Typical Value | Units | Test Method |
|---|---------------|-----------|------------------------|
| Melt Flow, 260°C/5.0kg | 25 | g/10 min | ASTM D-1238 |
| Melt Flow, 220°C/10.0kg | 8 | g/10 min | ASTM D-1239 |
| Density | 1.17 | | ASTM D-792 |
| Mold Shrinkage, Flow, 3.2 mm | 0.5-0.7 | % | Supplier Method |
| Outdoor Suitability (QUV) | Pass | - | Supplier Method |
| Tensile Strength, yld | 8,000 | psi | ASTM D-638 |
| Tensile Elongation, brk | 50 | % | ASTM D-638 |
| Flexural Modulus | 350,000 | psi | ASTM D-790 |
| Notched Izod Impact | 8 | ft-lbs/in | ASTM D-256 |
| Rockwell Hardness | 115 | R-Scale | ASTM D-785 |
| Deflection Temperature Under Load, 1.8 MPa | 220 | °F | ASTM D-648 |
| Vicat Softening Temperature | 119 | °F | ASTM D-1525 |
| Coefficient of Linear Thermal Expansion, Flow | 4.0E-05 | in/in/°F | ASTM E-831 |
| Flammability, 0.06 in | HB | - | UL 94, Supplier Method |

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