

Triapol® Blends F3 K0595 VRM0242 BS306

Polycarbonate + PBT

Petropol Industry and Trade of Polymers LTDA

Message:

Polymer blend PC / ABS in red color, mainly characterized by its resistance to impact and temperature, have good resistance chemical.

| General Information | | | |
|---|--------------------------|-------------------|-------------------------|
| Features | Good Chemical Resistance | | |
| | Good Impact Resistance | | |
| Appearance | Red | | |
| Resin ID (ISO 1043) | >PC + PBT< | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.22 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/5.0 kg) | 18 | g/10 min | ASTM D1238 |
| Water Absorption (Equilibrium) | 0.15 | % | ASTM D570 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (23°C) | 2100 | MPa | ASTM D638 |
| Tensile Strength ¹ | 58.0 | MPa | ASTM D638 |
| Tensile Elongation (Yield, 23°C) | 5.0 | % | ASTM D638 |
| Flexural Strength | 84.0 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 71 | J/m | ASTM D256 |
| Unnotched Izod Impact | 1500 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 82.0 | °C | ASTM D648 |
| Vicat Softening Temperature | 118 | °C | ASTM D1525 ² |
| Melting Temperature | 225 | °C | ASTM D2117 |
| Flammability | Nominal Value | Test Method | |
| Flame Rating | HB | UL 94 | |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 95.0 | °C | |
| Drying Time | 4.0 | hr | |
| Processing (Melt) Temp | 250 to 270 | °C | |
| Mold Temperature | 60.0 to 80.0 | °C | |
| NOTE | | | |
| 1. | 23 mm/min | | |
| 2. | Rate A (50°C/h) | | |

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