

Taurus

Durable, High Temperature

Ideal for the most demanding functional prototyping and even end-use applications.



Applications

- Superior strength and durability
- Wide range of applications
- Excellent surface and large part accuracy
- Heat tolerance up to 90°
- Thermoplastic-like performance, look and feel



Physical Properties

| | |
|--------|----------------|
| Colour | Charcoal |
| Type | ABS like resin |

Mechanical Properties

| | UV Postcure | Thermal Postcure | TEST/ISO |
|-------------------------|--------------|------------------|----------------|
| Hardness Shore D | 83 | 83 | ASTM D2240-15 |
| Flexural Strength (MPa) | 73.8 | 62.7 | ASTM D790-15e2 |
| Flexural Modulus (MPa) | 2.054 | 1.724 | |
| Tensile Modulus (MPa) | 2.310 | 2.206 | ASTM D638-14 |
| Elongation Break (%) | 24 | 17 | ASTM D256-10e1 |
| Impact Strength (J/m) | 47.5 | 35.8 | |

Thermal & Specific Properties

| | UV Postcure | Thermal Postcure | TEST/ISO |
|---|--------------|------------------|---------------|
| Glass Transition Temperature Tg (°C) | 53 | 54 | ASTM D3418-15 |
| Heat Deflection Temperature (°C) | | | |
| @ 0.46 MPa | 62 | 91 | ASTM D648-16 |
| @ 1.81 MPa | 50 | 73 | |
| Co-efficient of Thermal Expansion (µ/m°C) | | | |
| TMA (T<Tg, -40 - 0°C) | 76.5 | 71.4 | ASTM E831-14 |
| TMA (T<Tg, 0 - 50°C) | 105.3 | 103.4 | |
| TMA (T<Tg, 50 - 100°C) | 151.9 | 157.5 | |
| TMA (T<Tg, 100 - 150°C) | 171.4 | 173.4 | |

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