

Technical Data Sheet: TriMax™ Carbon Fiber ABS Model Material

| Physical Properties | Standard | Unit | Metric |
|---------------------|----------|------|--------|
| Density | ISO 1183 | g/cc | 1.11 |

| Mechanical Properties | Standard | Unit | Metric |
|---------------------------|----------|------|--------|
| Tensile Strength, Break | ISO 527 | MPa | 44 |
| Tensile Modulus | ISO 527 | MPa | 4100 |
| Tensile Elongation, Break | ISO 527 | % | 1.8 |
| Flexural Strength | ISO 178 | MPa | 75 |
| Flexural Modulus | ISO 178 | MPa | 5400 |

| Thermal Properties | Standard | Unit | Metric |
|--|----------|------|--------|
| Glass Transition Temperature (Tg) | DSC | °C | 104 |
| Deflection Temperature at 0.45 MPa (66psi) | ISO 75 | °C | 102 |

| Electrical Properties | Standard | Unit | Metric |
|-----------------------|-----------|--------|------------------|
| Surface Resistance | IEC 60093 | Ohm/sq | >10 ⁹ |

| Specimen Conditions |
|-------------------------------|
| Printer: Fortus® 400mc |
| Layer Height: 0.013" / 0.33mm |
| Infill Density: Solid |
| Specimen Orientation: XY Flat |

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