

## Technical Data Sheet: Ultem® 9085 Model Material

| Physical Properties | Standard | Unit | Metric |
|---------------------|----------|------|--------|
| Density             | ISO 1183 | g/cc | 1.34   |

| Mechanical Properties     | Standard | Unit | Metric |
|---------------------------|----------|------|--------|
| Tensile Strength, Break   | ISO 527  | MPa  | 55     |
| Tensile Modulus           | ISO 527  | MPa  | 2200   |
| Tensile Elongation, Break | ISO 527  | %    | 3      |
| Flexural Strength         | ISO 178  | MPa  | 91     |
| Flexural Modulus          | ISO 178  | MPa  | 2170   |

| Thermal Properties                         | Standard | Unit | Metric |
|--|----------|------|--------|
| Glass Transition Temperature (Tg)          | DSC      | °C   | 186    |
| Deflection Temperature at 0.45 MPa (66psi) | ISO 75   | °C   | 158    |

| Electrical Properties | Standard  | Unit   | Metric            |
|-----------------------|-----------|--------|-------------------|
| Surface Resistance    | IEC 60093 | Ohm/sq | >10 <sup>13</sup> |

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

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