

ULTEM 9085

TECHNOLOGY: FDM

APPLICATIONS: Advanced functional prototypes, end-use parts.

DESCRIPTION: FDM Technology uses the same tried and tested thermoplastics found in traditional manufacturing processes. ULTEM 9085 resin is a flame-retardant high-performance thermoplastic that makes applications that demand thermal and chemical resistance possible.

FEATURES: High performance. High strength-to-weight ratio. Exceptional FST (flame, smoke and toxicity) rating.

Color Options: Tan and Black

TECHNICAL DATA

| PROPERTY | ASTM | METRIC UNITS |
|--|-------|--------------|
| Tensile Strength | D638M | 33 MPa |
| Modulus of Elasticity, Youngs Modulus | D638M | 2,270 MPa |
| Elongation Break (%) | D638M | 2.2 % |
| Flexural Strength | D790M | 68 MPa |
| Flexural Modulus | D790M | 1,900 MPa |
| IZOD Impact Strength (notched) | D256A | 48 J/m |
| Heat Deflection Temperature @ 0.45 MPa/66 psi, (°C) | D648 | 153 °C |

