

ULTEM 9085

Technology: **FDM**

COLOR OPTIONS: Black Tan



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.

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