

ULTEM 1010

TECHNOLOGY: FDM

APPLICATIONS: Ducts, electrical housings, electrical connectors, composite layup tooling, medical devices, production tooling, food packaging.

DESCRIPTION: FDM Technology uses the same tried and tested thermoplastics found in traditional manufacturing processes. ULTEM 1010 resin offers the highest heat resistance, chemical resistance and tensile strength of any FDM thermoplastic.

FEATURES: Flame-retardant. Chemical resistant. High heat resistance. Lowest coefficient of thermal expansion (CTE) of any FDM[®] thermoplastic. Certified grade-food contact and biocompatibility compliance.

Color Options: Amber

TECHNICAL DATA

PROPERTY	ASTM	METRIC UNITS
Tensile Strength	D638M	42 MPa
Modulus of Elasticity, Youngs Modulus	D638M	2,200 MPa
Elongation Break (%)	D638M	2 %
Flexural Strength	D790M	72 MPa
Flexural Modulus	D790M	2,230 MPa
IZOD Impact Strength (notched)	D256A	24 J/m
Heat Deflection Temperature @ 0.45 MPa/66 psi, (°C)	D648	216 °C

