PROTOLABS
Manufacturing. Accelerated.

Industrial FDM

Stratasys Ultem 1010

Unfilled PEI with higher temperature and chemical resistance; available in 1010 CG (certified grade) for regulated applications.

Key Attributes

Highest heat resistance among Stratasys FDM thermoplastics, strong and stiff, good chemical resistance, biocompatibility options.

Properties

Property	Value (Imperial)	Value (Metric)
Maximum Part Size	35.984" x 21.016" x 35.984"	914 x 610 x 914 mm
Minimum Feature Size	.047"	1.2 mm
Tensile Strength	11.6-13.8 ksi	80–95 MPa
e_modulus	377.1-449.6 ksi	2.6–3.1 GPa
Heat Deflection	338-392 °F	170–200 °C
Elongation	2–5%	2–5%



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