

ULTEM1010

ULTEM 1010 provides outstanding high-temperature resistance, excellent chemical stability, and inherent flame-retardant properties. It is engineered for applications requiring strong mechanical stability at elevated temperatures of up to 194°C.



Benefits

Used for high-temperature tooling, fixtures, functional prototypes, and aerospace components, ULTEM 1010 excels in demanding environments where flammability performance, mechanical performance or structural rigidity are critical at higher temperatures.



Physical & Mechanical Properties

Property	Typical Value
Tg (°C)	200
Melt Temp (°C)	375
Density (kg/m ³)	1270
Yield strength (MPa)	110
Bio-Compatibility	No

	Good	Average	Poor
Chemical Resistance	■		
UV Stability			■
Reusability			■
Impact Resistance	■		
Fire Performance	■		

Typical Applications

- Low-volume production and highly-customised parts
- Fixtures
- End-of-arm tools
- Composite moulds
- Drones
- End-use parts

Industries

- Aerospace
- Defence
- Space
- Rail
- Marine
- Nuclear
- Automotive

Colour Options

- Black
- White
- Blue
- Red
- Yellow
- Nectarine
- Ivory
- Green
- Grey
- Natural

To discuss your next additive manufacturing challenge, call our experts on **03330 150 563**

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