

# ULTEM™ 1010

## Description

PEI is an amorphous, high-performance polymer that combines excellent thermal properties, exceptional dimensional stability, inherent flame retardance and good chemical resistance. ULTEM™ 1010 offers the ability to create parts with excellent properties at elevated temperatures due to a high glass transition temperature.

		Test Method	Typical Value
<i>Physical Properties</i>	Specific Gravity	ISO 1183	1.27g/cc

		Test Method	Typical Value
<i>Mechanical Properties</i>	Tensile Strength	ISO 527	56 MPa
	Tensile Modulus	ISO 527	2500 MPa
	Tensile Elongation	ISO 527	3%
	Flexural Strength	ISO 178	110 MPa
	Flexural Modulus	ISO 178	2510 MPa

		Test Method	Typical Value
<i>Thermal Properties</i>	Glass Transition Temperature	DSC	217°C
	Deflection Temperature at 0.45 MPa	ISO 75	208°C

		Standard	Typical Value
<i>Fire Testing</i>	Fire Rating (*Base Resin)	UL 94	V-0 @ 1.5mm