

KIMYA PEI-9085 (ULTEM®)

PEI

ARMOR

Product Texts

Printing direction	XY
Printing speed	15-30 mm/s
Infill angle	45°/-45°
Extrusion temperature	360-400°C
Bed temperature	140°C

Thermal properties	Value	Unit	Test Standard
ISO Data			
Glass transition temperature, 10°C/min	175	°C	ISO 11357-1/-2
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
DTUL @ 264 psi	153	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1340	kg/m ³	ISO 1183

3D Data	Value	Unit	Test Standard
Other Standards^[S]			
Tensile modulus, flat	3440	MPa	ASTM D 638
Yield strain, flat	7	%	ASTM D 638
Stress at break, flat	74	MPa	ASTM D 638
Strain at break, flat	72	%	ASTM D 638
Flexural modulus, flat	2920	MPa	ASTM D 790

S: These properties are reported by the producer according standards that are different to our defaults.

Characteristics**Processing**

Additive Manufacturing

Delivery form

Monofilament

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance

Regional Availability

Europe