

**KIMYA PEI-1010**

PEI

ARMOR

**Product Texts**

|                    |            |
|--------------------|------------|
| Printing direction | XY         |
| Printing speed     | 10-40 mm/s |
| Nozzle temperature | 360-400°C  |
| Bed temperature    | 140-170°C  |

**Thermal properties**

|  | Value | Unit | Test Standard  |
|--|-------|------|----------------|
| <b>ISO Data</b>                        |       |      |                |
| Glass transition temperature, 10°C/min | 216   | °C   | ISO 11357-1/-2 |
| <b>ASTM Data</b>                       |       |      |                |
| UL 94 Flame rating                     | V-0   | -    | UL 94          |

**Other properties**

|         | Value | Unit              | Test Standard |
|---------|-------|-------------------|---------------|
| Density | 1270  | kg/m <sup>3</sup> | ISO 1183      |

**3D Data**

|                                      | Value | Unit | Test Standard |
|--------------------------------------|-------|------|---------------|
| <b>Other Standards<sup>[5]</sup></b> |       |      |               |
| Tensile modulus, flat                | 3200  | MPa  | ISO 527       |
| Flexural modulus, flat               | 3300  | MPa  | ISO 178       |

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, U.V. stabilized or stable to weather

**Certifications**

Food contact, Food approval 10/2011, Food approval FDA 21 CFR, RoHS compliant

**Regional Availability**

Europe