EON PEKK

PolyEtherKetoneKetone, also known as EON PEKK, is one of the highest-performance polymers in the world. This polymer has outstanding mechanical, thermal, and chemical resistance properties. In addition to these properties, this material is flame resistant according to the UL 94 Standard. As a matter of fact, EON PEKK is very popular in the aerospace and automotive industries, but also in the Oil and Gas industry because of its resistance to pressure and high temperatures.

Mechanical Properties	Typical Value	Method
Tensile Strength	105 MPa	ISO 527
Tensile Modulus	3200 MPa	
Tensile Elongation	10 %	
Flexural Strength	134 MPa	ISO 178
Flexural Modulus	2900 MPa	
Flamability Rating (Base Resin)	V-0 @ 0,8 mm	UL 94

Thermal Properties	Typical Value	Method
Heat Deflection Temperature (0,45 MPa)	182° C	ISO 75
Glass Transition Temperature (Tg)	165° C	DSC
Melt Temperature (Tm)	335° C	

Other Properties	Typical Value	Method
Density	1,29 g/cm^3	ISO 1183

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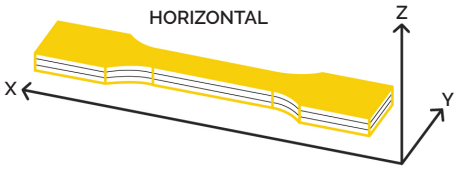
Print Settings:
Nozzle: 0,4mm
Layer Height: 0,25mm
Infill: 100%
3 Perimeter Walls
Extrusion Temp: 370˚C
Chamber Temp: 160˚C
Specimen Orientation: XY Flat



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