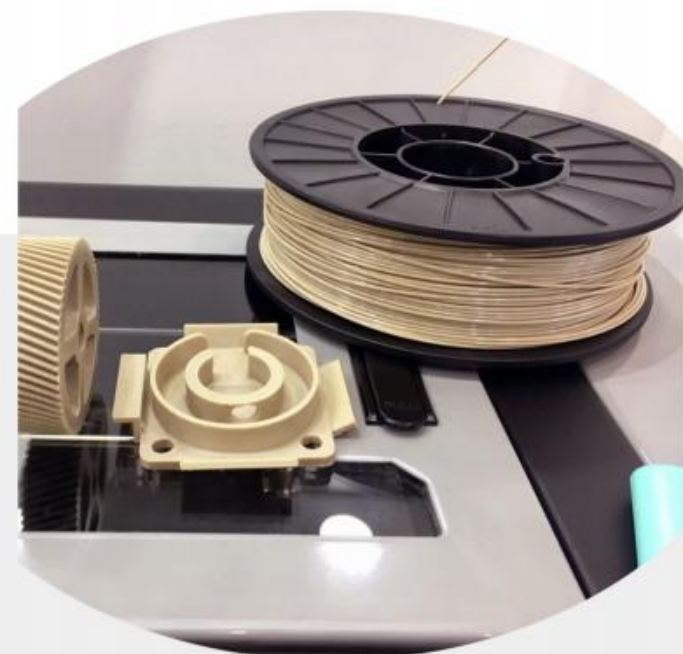


## 3D打印PEEK细丝 3D Printer PEEK filament

PEEK细丝：高韧性、高强度PEEK细丝通过连续挤出工艺成型，尺寸稳定性好，可连续成型几千米不断裂，广泛用于3D打印等行业。  
PEEK filament of high flexibility and high strength is produced through continuous extrusion moulding. It is of good dimensional stability and can be molding without break for thousands of meters, which is widely used in 3D print industry.

NO.	Size(mm)	Tolerance(mm)	Material
1	φ1.75	±0.05	Natural PEEK
2	φ2.80	±0.05	Natural PEEK
3	φ3.00	±0.05	Natural PEEK
4	Customized	±0.05	Natural PEEK



### 机械性能|Mechanical Performance

项目 Item	条件 Condition	标准 Standard	数据 Value
拉伸强度 Tensile Strength	Yield,23°C	ISO 527	100 Mpa
断裂伸长率 Tensile Elongation	Break,23°C	ISO 527	25%
弯曲强度 Flexural Strength	Yield,23°C	ISO 178	16.3 Mpa
弯曲模量 Flexural Modulus	23°C	ISO 178	3.5 Gpa
压缩强度 Compression Strength	23°C	ISO 604	123 Mpa
简支梁冲击强度 Charpy Impact Strength	Notched,23°C	ISO 179/1eA	6 kJ m <sup>-2</sup>
悬梁式冲击强度 Izod Impact Strength	Notched,23°C	ISO 180/A	6 kJ m <sup>-2</sup>

### 热性能|Thermal Performance

项目 Item	条件 Condition	标准 Standard	数据 Value
熔点 Melting Point		ISO 11357	343°C
玻璃化转变 Glass Transition	Onset	ISO 11357	163°C
热膨胀系数 Coefficient of Thermal Expansion	Along flow below	ASTM D696	4.7*10 <sup>-5</sup> /K
热变形温度 Heat Deflection Temperature	1.8Mpa	ISO 75-f	152°C
热导率 Thermal Conductivity	Along flow ,23°C	ISO 22007-4	0.29 Wm <sup>-1</sup> K <sup>-1</sup>

### 其他|Other Performance

项目 Item	条件 Condition	标准 Standard	数据 Value
密度 Density	Crystalline	ISO 1183	1.30g cm <sup>-3</sup>
洛氏D硬度 Rockwell Hardness	23°C	GB3398.2	118
吸水率 Water Absorption	23°C,24h	ISO 62	0.05%

### 打印推荐|Print Recommend

项目 Item	数据 Value
喷嘴温度 Nozzle Temperature	390~430°C
热床温度 Bed Temperature	120~180°C
打印速度 Print Speed	40~50mm/s, which depends on the printer performance and printed part size.