

PA6+GF / PA6加纤

Material introduction / 材料介绍

Introduction / 介绍:

PA6+ GF is a new type of polymer material with excellent mechanical properties, high thermal stability and chemical corrosion resistance. It has very high mechanical strength and stiffness, can withstand large loads and impact forces, and has high temperature resistance of 203 degrees.

PA6+GF是一款机械性能优异、高热稳定性和耐化学腐蚀性的新型高分子材料，具有非常高的机械强度和刚度，能够承受较大的载荷和冲击力，高耐温203度。

Material advantages / 材料优点:

High thermal stability, high temperature resistance up to 203 degrees Celsius.

高热稳定性，高耐温达203摄氏度

High strength, very high mechanical strength and stiffness.

高强度，非常高的机械强度和刚度

Chemical resistance.耐化学腐蚀性

Accuracy/精度:

less than 100mm, ±400µm

More than 100mm, ±0.4% chemical corrosion resistance 耐化学腐蚀性

Performance Parameter / 性能参数：

Heat deflection temperature /热变形温度:	(HDT @1.8 MPa): 203 C
Heat deflection temperature /热变形温度:	(HDT @0.45 MPa): 219 C
Tensile modulus /拉伸模量:	(GB/T 1040-2018): 6585 MPa
Tensile strength /拉伸强度:	(GB/T 1040-2018): 7 7MPa
Strain elongation /断裂伸长率:	(GB/T 1040-2018): 1.7%
Flexural modulus /弯曲模量:	(GB/T 9341-2008): 6066MPa
Bending strength /弯曲强度:	(GB/T 9341-2008): 130MPa
Impact strength of the gap /缺口冲击强度:	(GB/T 1843-2008): 4.2KJ/M3
Impact strength without notch /无缺口冲击强度:	(GB/T 1843-2008): 13.6KJ/M3

Application / 应用场景:

Widely used in automobile, electronics, aerospace and other fields.

广泛应用于汽车、电子、航空航天等领域。