



kexcelled
the key to excellence

4/7

**PRODUCT
CATALOG**

FDM

PROFESSIONAL SERIES



PROFESSIONAL SERIES

Moving towards end-use component manufacturing

Based on high-performance engineering materials, such as PA and PC, these materials' performance and efficiency. Meet requirements of small-lot production for functional prototypes, accessories, and end parts in most industries.



Tmall

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3D PRINTING
filament / photopolymer resin / accessory





01

PAHT K7



04

PAHT K7CF



08

PAHT K7CFLM



09

PC K7



06

PAHT K7LM



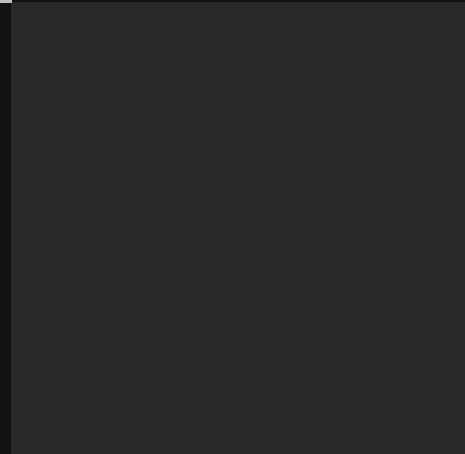
L4

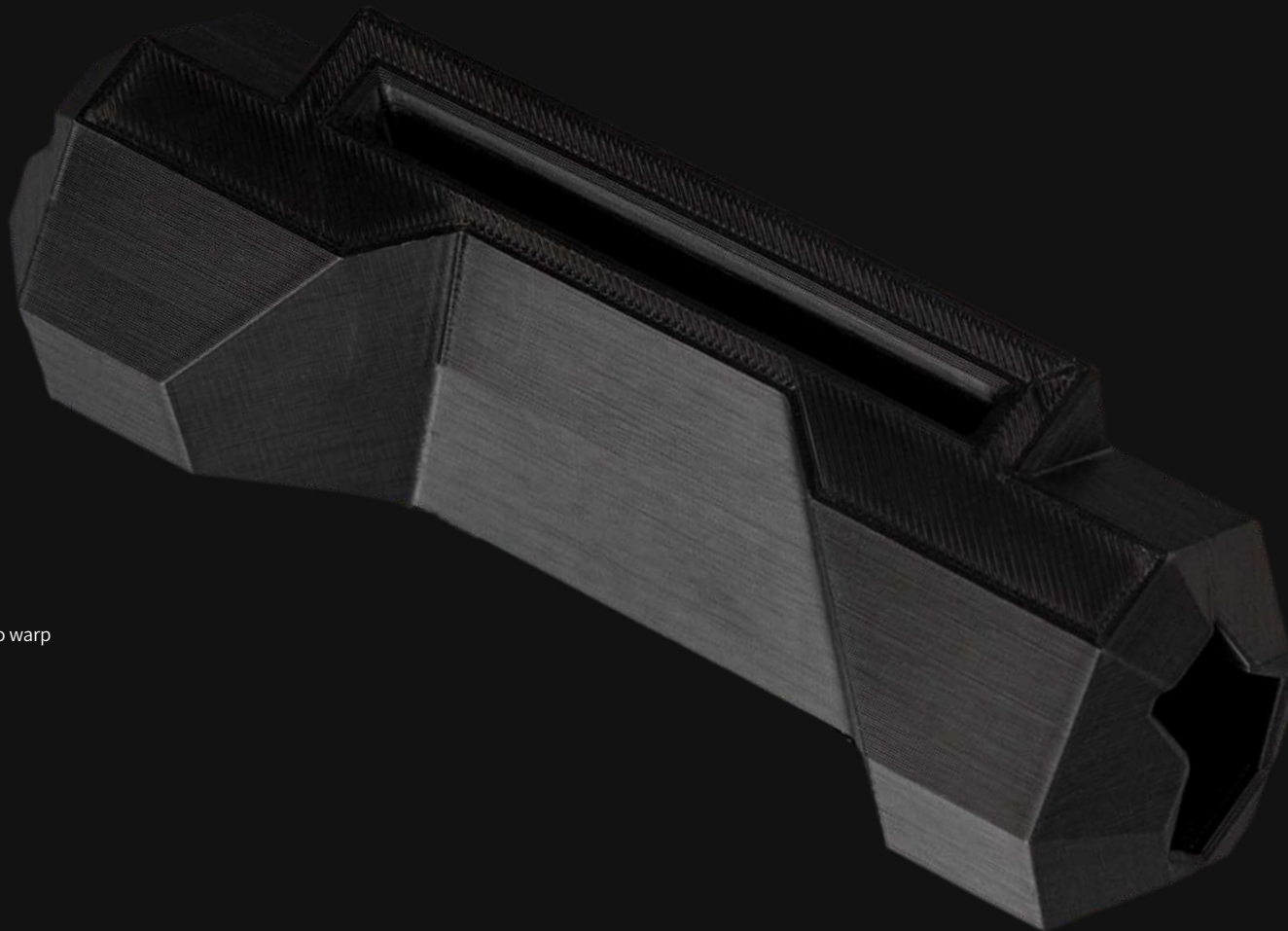
PET K7CF



L5

OBC K7

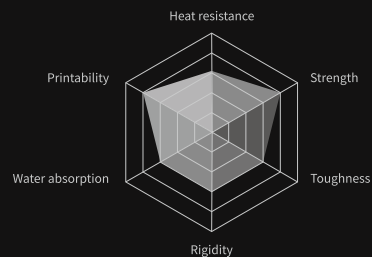




PAHT K7

- High strength
- High rigidity
- High temperature resistance
- Less prone to warp

PAHT K7 is a PA6-based nylon material. Printed products are characteristic of high strength and density, while inherits PA6's high toughness, resistance to wear and oil.

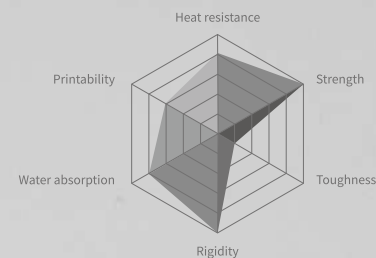




PAHT K7CF

- High strength
- High rigidity
- High temperature resistance
- Less prone to warp

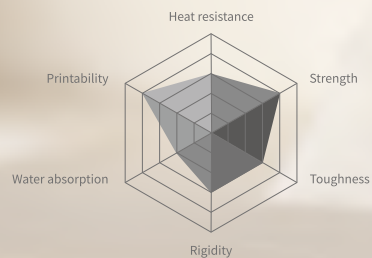
PAHT K7CF is a PA6-based carbon fiber reinforced nylon material. It is characteristic of high strength, rigidity, tensile strength over 100MPa, continuous operating temperature to 150°C.



PAHT K7LM

- High toughness
- Oil resistance
- High rigidity
- Less prone to warp

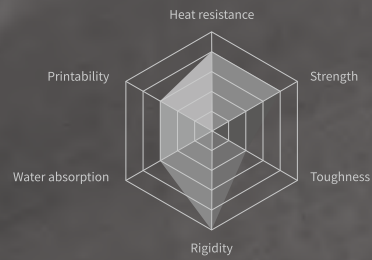
PAHT K7LM is a PA12-based nylon material. It is characteristic of high toughness, wear resistance, low absorption, easy to print, and more rigid than typical PA12 materials.



PAHT K7CFLM

- High strength
- High rigidity
- High temperature resistance
- Smooth surface

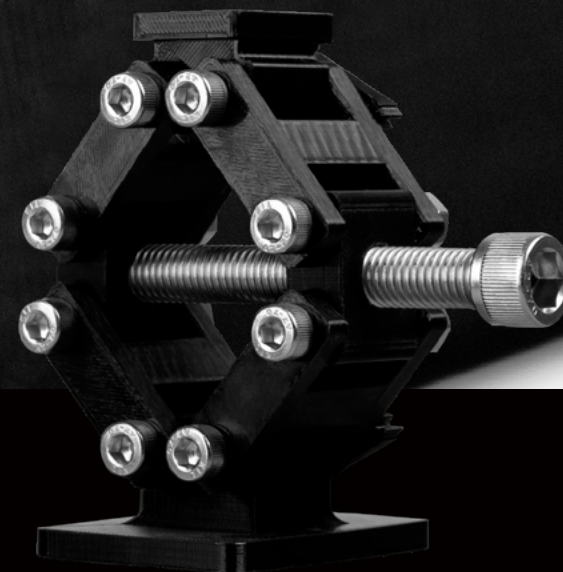
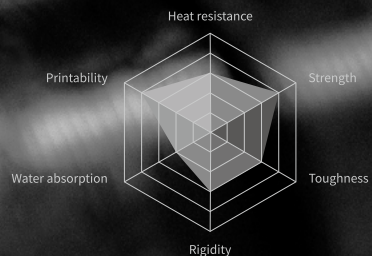
PAHT K7CFLM is a PA12-based carbon fiber reinforced nylon material. It is characteristic of significant improvement in low water absorption, strength, rigidity, and HDT.



PC K7

- Low viscosity
- Less prone to warp
- Low creep properties
- High mechanical properties

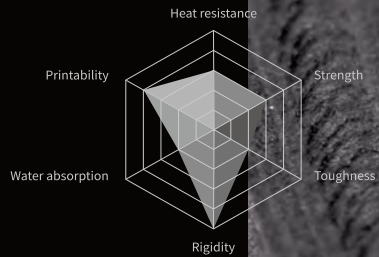
PC K7 is a PC consumable applicable to desktop printers. It improves typical PC materials' tendency to warp and poor interlayer adhesion by a specialized process.



PET K7CF

- High rigidity
- Easy to print
- Water absorption
- Carbon fiber reinforced material

PET K7CF is a carbon fiber reinforced PET material. It is characteristic of high rigidity, hardness and strength, wear resistance, and lower water absorption than PA/CF.



OBC K7

- Chemical resistance
- Flexibility
- Low density
- Low water absorption

OBC K7 is a polyolefin block copolymer modified material. It is less prone to warp, and prints independent of humidity variations with ultra-low density, while inherits PP's flexibility, durability and chemical resistance.

