

## Product technical instructions

Product brand: Piocreat\_PC+20%CF\_T8000

Material No.: D3305020002

Revision date: 2020-10

Version: V1.0

### Product Description

Carbon fiber reinforced polycarbonate composite.

### Material composition

Polycarbonate 75%-85%

Carbon fiber 15%-25%

Additives: 0.5%-2% (antioxidants, lubricants, dispersants, etc.)

### Performance test

The typical test performance of this product is as follows:

Project	Test standards	T8000
Densities(g/cm <sup>3</sup> )	ISO 1183-1	1.25-1.30
Pulling strength(MPa)	ISO 527	>100
Bending strength(MPa)	ISO 178	>170
Flexural modulus(MPa)	ISO 178	>8000
Notched impact strength(KJ/m <sup>2</sup> )	ISO 179	>8
Heat distortion temperature(°C)	ISO 75(1.8MPa)	>138

Note: The values in the above table are typical values only and do not constitute a binding material description or guaranteed value. This value may be affected by the mold, processing conditions, and coloration/coloration of the product.

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