

# Carbo3D PETG15 Filament

PETG reinforced with recycled carbon fiber

Tensile Modulus

**6770 MPa**

23°

ISO 527-2

Breaking Stress

**81 MPa**

23°

ISO 527-2

Flexural Stress

**120 MPa**

23 °C

ISO 178

Carbo3D PETG15 is a sustainable solution that combines innovation with environmental responsibility. The recipes of Carbo3D products are based on post-industrial recycled carbon fiber materials.

By utilizing this composite you not only benefit from great performance and quality, but you also actively participate in the reduction of valuable raw materials consumption and related CO<sub>2</sub> emissions.

## Typical Areas of Application

Carbo3D ECOblack 15 PETG is designed for 3D filament production, aimed at creating technical components for various industries, including mechanical engineering, automotive, sports and other applications.

## Mechanical Properties

Tensile Modulus (ISO 527-2)	6770	MPa
Breaking Stress (ISO 527-2)	81	MPa
Flexural Modulus ISO 178)	6350	MPa
Flexural Stress (ISO 178)	120	MPa
Charpy impact strength (ISO 171-1 eU)	3.31	kJ/m <sup>2</sup>

## General Properties

Density (ISO 1183-1)	1.340	g/cm <sup>3</sup>
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### Disclaimer of liability

All information given on the data sheet is based on our current knowledge and experience. A legally binding assurance of certain properties or suitability for a specific individual case cannot be derived from our information. Processors and users are not exempted from carrying out experiments and their own tests for the specific application by our information.