

Carbo3D PP20

Thermoplast reinforced with recycled carbon fiber

Tensile Modulus

4798 MPa

23 °C

ISO 178

Tensile Stress

54.3 MPa

23 °C

ISO 527-2

Flexural Stress

80.9 MPa

23 °C

ISO 178

Carbo3D PP20 is a sustainable solution that combines innovation with environmental responsibility. The recipes of Carbo3D products are partly based on recycled post-industrial waste 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 CO2 emissions.

Typical Areas of Application

Carbo3D PP20 is designed for additive manufacturing , aimed at creating technical components for various industries, including mechanical engineering, automotive, sports and other applications.

General Properties

properties	value	unit	standard
MVR @230°/2.16kg	14.4	cm ³ /10 min	
Density	0.987	g/cm ³	ISO 1183-1

Mechanical Properties

properties	value	unit	standard
Flexural Modulus	4990	MPa	ISO 178
Flexural Stress	81	MPa	ISO 178
Tensile Modulus	4798	MPa	ISO 527-2
Breaking Stress	54	MPa	ISO 527-2

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.