

PET-CF-FDM

TDS data

MECHANICAL PROPERTIES ¹	TEST METHOD	UNITS	TYPICAL VALUE (XY)	TYPICAL VALUE (ZX)
Tensile strength	ISO 527	MPa	45.95	19.7
Young's modulus	ISO 527	MPa	4252	2842
Elongation at break	ISO 527	%	1.1	0.8
Flexural strength	ISO 178	MPa	89.81	35.2
Flexural modulus	ISO 178	MPa	4153	7313
Impact strength	ISO 179, Notched	kJ/m ²	6.98	2.69

Note:

- All testing specimens were printed using a FUNMAT HT 3D PRINTER under the following conditions: Printing temperature = 320 °C, printing speed = 120 mm/s, number of shells = 2, and 100% infill.

Datasheet >

Disclaimer

The typical values presented in this document are intended for reference and comparison purposes only. They should not be used for design specifications or quality control purposes. Actual values may vary significantly with printing conditions. End-use performance of printed parts properties can be impacted by, but not limited to, part design, environmental conditions, printing conditions, etc. Product specifications are subject to change without notice.

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