

TECHNICAL DATA SHEET



RigidX is a carbon fiber-reinforced PETG filament, which combines the excellent chemical, heat and UV-resistance of regular PETG with the strength and stiffness of carbon fibers.

Revision
1.0

Product
RIGID X

	STANDARD	UNIT	TYPICAL VALUE
PHYSICAL PROPERTIES			
Density	ISO 527	g/cc	1.32
MECHANICAL PROPERTIES			
Tensile Strength, Break	ISO 527	MPa	52
Tensile Modulus	ISO 527	MPa	5120
Tensile Elongation, Break	ISO 527	%	8
Flexural Strength	ISO 178	MPa	89
Flexural Modulus	ISO178	MPa	4930
THERMAL PROPERTIES			
Glass Transition Temperature (Tg)	DSC	°C	80
Deflection Temperature at 0.45 MPa (66psi)	ISO 75	°C	82

DATE ISSUED

DISCLAIMER

MONTH
1 2 3 4 5 6 7 8 9 10 **11** 12
DAY
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
18 19 20 21 22 23 24 25 26 27 **28** 29 30 31
YEAR
2017 2018 **2019**

The technical data contained on this data sheet should not be used to establish specifications limits or used alone as the basis of design. The data provided is not intended to substitute any testing that may be required to determine fitness for any specific use.

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