PA-CARBON

TDS - Technical Data Sheet

Material specification

Commercial name: PA-CARBON

Raw material: polymer alloy (94% Polyamide, 6% chopped carbon fiber)

Designation: 3d printing material

Supplier: Jdeal-Form srl

Mechanical properties

Type	Test Method	Metric
Tensile Modulus	ISO 527	6000Mpa
Tensile Strenght Ultimate	ISO 527	100Mpa
Impact strength	ISO 527	60 Kj/m2

Thermal properties (GRANULE – printed part tests value available ASAP)

Type	Test Method	Metric
VICAT Softening	ISO 306B50	TBA
Degradation Temperature		295°C
Flammability	Iso 1210	HB
Max temp usage long term	ISO 2578	120°C

Physical characteristics

Type	Metric
Density	1,00gr/cm3
Diameter	2,85mm +/- 0,05
Roundness Deviation	Max 3%

Colors available

	Black	Natural	Red	Green	Blue	Yellow		
Shrink**								

**test parts have been printed according to XZ orientation, using 100% infill, 0.2mm layer thickness, 0.4mm nozzle on a production A2v2 printer.*

***150x150x15 test part, 25% infill, 0.2mm layers*

The information supplied is supplied as informative: user should use it as material selection tool and/or comparison with available materials.

Printed part performance may differ from published value, depending on part orientation, printing parameters, environmental conditions.

User must validate suitability of the printed part and its lawful to be used as desired: no warranty can be made (express or implied) to any use of 3ntr materials.

We reserve the right to improve our polymer formulations and/or revise our technical data.