



# PA-GLASS

TDS - Technical Data Sheet

## Material specification

Commercial name: PA-GLASS

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

Designation: 3d printing material

Supplier: Jdeal-Form srl

## Mechanical properties

Type	Test Method	Metric
Tensile Modulus	ISO 527	4000Mpa
Tensile Strength Ultimate	ISO 527	95Mpa
Impact strength	ISO 527	80 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	1,18gr/cm3
Diameter	2,85mm +/- 0,05
Roundness Deviation	Max 3%

3ntr (tm) Jdeal-Form srl

Jdeal-form srl – Via Montegiudeo 9 – 28047 Oleggio (No) – Italy – www.3ntr.net

## Colors available

	<b>Black</b>	<b>Natural</b>	<b>Red</b>	<b>Green</b>	<b>Blue</b>	<b>Yellow</b>		
<b>Shrink**</b>								

*\*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.*

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