



ELASTO 85

TDS - Technical Data Sheet

Material specification

Commercial name: 3ntr ELASTO 85

Raw material: TPU (thermoplastic polyurethane)

Designation: 3d printing material

Supplier: Jdeal-Form srl

Mechanical properties*

Type	Test Method	Metric
Tensile Modulus	ASTM D638	26 Mpa
Yeld Point	ASTM D638	4 Mpa
Tensile Elongation at Yeld	ASTM D638	65%
Tensile Strenght Ultimate	ASTM D638	25 MPa
Tensile Elongation at Break	ASTM D638	650%
Hardness (shore)	ASTM D2240	85 A

Thermal properties

Type	Test Method	Metric
VICAT Softening	ISO 306A50	60°C
Glass Transition (TG)	DSC	-34°C
Melting point	DSC	210°C

Physical characteristics

Type	Metric
Density	1.18 g/cc
Diameter	2,85mm +/- 0,05
Roundness Deviation	Max 3%

Colors available

	Black	White	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 3nr materials.

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