INTAMSYS® TPU

Product Description

INTAMSYS® TPU is a highly flexible 3D printing material, **T**hermoplastic **P**oly**U**rethanes, with excellent printing quality. It has good elasticity and a large strain-to-failure.

PHYSICAL PROPERTIES	TEST METHOD	UNITS	TYPICAL VALUE
Density	ISO 1183	g/cm^3	1.17-1.24
Melt index	210°C, 1.2kg	g/10min	10-12

MECHANICAL PROPERTIES[1]	TEST METHOD	UNITS	TYPICAL VALUE
Shore A hardness	ISO 7619	—	~ 95A
Tensile strength	ISO 37	MPa	30.1
100% modulus	ISO 37	MPa	9.5
Elongation at break	ISO 37	%	333.2

Note:

1. All testing specimens were printed using a FUNMAT HT 3D PRINTER under the following conditions: Printing temperature = 240 °C, printing speed = 45 mm/s, number of shells = 2, and 100% infill.

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 impact by, but not limited to, part design, environmental conditions, printing conditions, etc. Product specifications are subject to change without notice.

Each user is responsible for determining the safety, lawfulness, technical suitability, and disposal/recycling practices of INTAMSYS materials for the intended application. INTAMSYS makes no warranty of any kind, unless announced separately, to the fitness for any particular use or application. INTAMSYS shall not be made liable for any damage, injury or loss induced from the use of INTAMSYS materials in any particular application.

For further details, please contact info@intamsys.com