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Product card: ABS-T filament for 3D printing.

Product description: Filament ABS-T - thermoplastic product in the form of fiber, used for 3D printing using the FFF method. Filament wound on a spool, vacuum packed with a moisture absorber. The spool contains 1 kg of net material. It can be used in all FFF printers that are not protected from external suppliers and open source structures before using. ABS-T is a naturally transparent material, is easily machined such as grinding, drilling or smoothing, the material is soluble in acetone.

Physical properties of the product:

Diameter of filament	1.75 mm
Dimensional tolerance of filament	+/- 0.05 mm
Roundness of filament	+/- 0.02 mm
Surface of the material	Gloss
Shrinkage of the material	Large
Product weight	1.0 kg net, 1.36 kg gross
Spool - material	Transparent polycarbonate
Weight of the empty spool	~250 g
The diameter of the spool	200 mm
Width of spool	~70 mm
Diameter of mounting hole	52 mm
Packaging	Printed cardboard
Package size	~205x205x80 mm
Vacuum packing	Yes
Moisture absorber	Yes



Suggested printing parameters:

Hotend	230-240°C
Heated bed	90-100°C
Cooling the printout	Not recommended

Due to the structural differences of printers, the above figures should be considered as guidelines and the corresponding values must be determined experimentally.

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Physical properties of the material:

Specific Gravity	1.09 g/cm ³	ASTM D792
Heat Deflection Temperature	81°C	ASTM D648
Rockwell Hardness (R-Scale)	109	ASTM D785
Tensile Strength - Yield	460 kg/cm ²	ASTM D638
Tensile Elongation - Break	30%	ASTM D638
Transparency	90%	ASTM D1003

Availability of colors and diameters:

Color	Kolor	1.75
Transparent	Transparentny	✓