

PRODUCT NAME: 3D FILAMENT ASA 1,75mm

PRODUCT DESCRIPTION: Filament ASA - a thermoplastic polymer in the form of a thread, designed for 3D printing using the FFF / FDM method. Filament coiled on spools, vacuum-packed in a PET/PE bag, and then in a box.

PRODUCT PARAMETERS

filament diameter [mm]	1,75
diameter tolerance [mm]	+/- 0,05
oval tolerance [mm]	+/- 0,02
net weight [g]	small spool: 700
	big spool: 2500
gross weight [g]	small spool: 1000
	big spool: 3500
spool dimensions [mm] (Ø x height x hole Ø)	small spool: 200 x 55 x 52
	big spool: 300 x 103 x 515
box dimesions [mm]	small spool: 235 x 215 x 65
	big spool: 340 x 320 x 115
finish	mat



RECOMMENDED PRINTING PARAMETERS

Print temperature [°C]	220-250
Bed temperature [°C]	70-110

PHYSICAL PARAMETERS

- Density: 1,07 g/cm³
- Odor: almost odorless
- Izod impact strength:
 - with notch – 40 kg*cm/cm (ASTM 256)
- Tensile elongation (speed 50 mm/min, to break): 35% (ASTM D638)
- Tensile strength (speed 50 mm/min, to break): 40 MPa (ASTM D638)
- Tensile modulus (speed 1 mm/min): 1725 MPa (ASTM D638)
- Vicat softening temperature : 94°C (ASTM D1525)