

ZYYX proNylon™



An Engineering Material for the ZYYX pro

The proNylon™ is a nylon based filament for 3D printing. It is developed to allow professionals to rapidly produce nylon parts on their desks. Using the ZYYX proNylon, you can easily create flexible parts with low friction and high toughness. It is also resistant to most chemicals. Ideal applications range from bushings and pulleys to electronics casings where resistance to the environment is a priority.



The proNylon™ comes vacuum sealed in a proTect™ protection bag, ready for printing.

Technical Data - proNylon™

Property	Specification
Chemical name	Nylon/Polyamide PA-66
Density	1.12 g/cm ³
Colour	Natural (semi-transparent)
Roll size	1.0 kg
Filament diameter	1.75 mm
Distortion temperature	50 °C
Tensile strength	57 MPa
Elongation at break	196 %
Bending strength	57 MPa
Flexural modulus	1 495 MPa
Izod impact strength	15 kJ/m ²
Typical shrinkage	0.8 – 1.8 % (x and y directions), 0 % (z direction)
ZYYX printer compatibility	ZYYX pro
Recommended storage	Vacuum sealed to keep dry (absorbs moisture)
Water absorption	1.0 weight-%/day
Volume resistivity	10 ¹⁴ – 10 ¹⁶ Ω·cm

Print examples

