

ZYYX proGlass™



An Engineering Material for the ZYYX pro

The proGlass™ is a nylon based filament reinforced with glass fibers. It is developed to allow professionals to rapidly produce customized, high-strength parts on their desks. Using the ZYYX proGlass™, you can easily create functional prototypes and end-use parts such as tools, jigs, and fixtures. For parts made for injection molding with glass fiber reinforced nylon, proGlass™ is ideal for prototyping those parts.



The proGlass™ comes vacuum sealed in a proTect™ protection bag, ready for printing. The SwiftTool™ hot-end nozzle that comes with the ZYYX pro is made of hardened steel and optimized for the abrasive proGlass material.

Technical Data - proGlass™

Property	Specification
Chemical name	Nylon/Polyamide PA-66 reinforced with 15 % glassfiber strands
Density	1.25 g/cm ³
Colour	Natural (beige)
Roll size	1.0 kg
Filament diameter	1.75 mm
Distortion temperature	120 °C
Tensile strength	100 MPa
Elongation at break	16 %
Bending strength	126 MPa
Flexural modulus	3 200 MPa
Izod impact strength	13.6 kJ/m ²
Typical shrinkage	0.2 – 0.6 % (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

