

ZYYX Flex™



A Filament Material for the ZYYX line of 3D Printers

The ZYYX Flex™ is our pro grade Flexible filament suitable for printing everything from shoe soles prototypes to RC Car tires. It has a hardness of approximately 60D, and by setting the infill percentage and number of shells in our Simplify3D Profiles, the hardness of the printed model can be varied to better suit your application.

When printing with ZYYXFlex we strongly recommend use of our ZYYX SoftSpring to ensure stable extrusion.

Technical Data – ZYYX Flex™

Property	Specification
Chemical name	TPU/Thermoplastic PolyUrethane
Density	1.23 g/cm ³
Roll size	1.0 kg
Shore hardness	60D
Filament diameter	1.75 mm
Distortion temperature	70 °C
Tear Strength	120 N/mm
Tensile strength	50 MPa
Elongation at break	500 %
Colour	Black or grey
Typical printing shrinkage	0.8 – 1.8 % (x and y directions), 0 % (z direction)
ZYYX printer compatibility	ZYYX pro with Multi-Material Extension Kit, ZYYX+, ZYYX Agile

Print example

