



PRODUCT DESCRIPTION

Yousu Nylon(PA6) 3D Filament,a durable material generally used to print extremely robust and heavy duty components such as casters, gears, bearings, fittings, etc. Yousu Nylon are tough, possessing high tensile strength, as well as elasticity and luster.

Properties	Test Method	Unites	Test Condition	Typical Value
Physical Properties				
Density	ISO 1183	g/cm³	-	1.12
Melt Flow Rate		g/10min	-	98
Melt Point		°C	-	224
Mechanical Properties				
Tensile Strength	ISO 527	MPa	23 °C	96
Tensile Modulus	ISO 527	MPa	-	1980
Flexural Strength	ISO 178	Mpa	-	76
Tensile Elongation,	ISO 178	%	-	100

Applications

Yousu Nylon 3D Filament is ideal for printing end-use parts or prototyping with nearly identical material properties to final, mass produced parts. The material's durability and production scalability make it the choice for not just industrial transportation applications, but also developing product electrical housing, cooling and heating systems, as well as molds and vacuum forming.

Processing Information

Yousu Nylon 3D Filament absorbs a fairly large amount of moisture. Keep partially used spools in dry storage. For best results, dry the filament before use. Our product has two kinds of diameters: 1.75mm and 2.85mm and show excellent stability and mobility in the molten state. Parts printed with our products have well thermal and mechanical properties. Before printing some parameters should benoticed.

Basic Parameters	
Product Code	YS-Nylon ¹⁴¹
Material	Nylon
Diameter	1.75/2.85mm
Printing Temp	230-260°C
Print Bed Temp	80-120°C