

Non-Metal 3D Printing Capacity

Introduction

We specialize in non-metal 3D printing technology, offering a diverse range of materials to meet the needs of various industries. Whether it's nylon, resin, or composite materials, we provide high-precision, high-quality 3D printing services. Our technology is suitable for prototype design, functional testing, small-batch production, and customized product manufacturing. With the advanced printing equipment and a professional technical team, we ensure that every finished product meets the requirements of our customers. Whether you are in the medical, education, art, or industrial design field, we can provide suitable solutions to help you.

Non-Metal3D Printing Capacity

Material- Resin

	Material	Tensile Strength/ Modulus (Mpa)	Elongation Rate (%)	Heat Deflection Temperature (°C)
Resin	White Standard Resin	38-56/ 2589-2695	/	39-52
	Black Resin	41-58/ 2649-2731	7-11	69
	High Temperature Resistant Resin	40-44/ 1900-2090	13-20	99.6
	Transparent Resin	41/187	9	52
	High Toughness Resin	51/2136	41/11687	58
	High Precision Resin	47	/	46

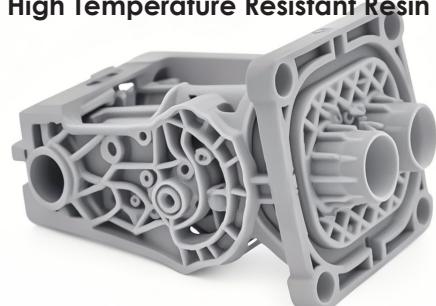
White Standard Resin



Black Resin



High Temperature Resistant Resin



Transparent Resin



High Toughness Resin



High Precision Resin

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Material-Nylon

	Material	Tensile Strength/ Modulus (Mpa)	Yield Strength/ Modulus (Mpa)	Elongation Rate (%)	Shore Strength (D)	Heat Deflection Temperature (°C)
Nylon	Nylon PA11	52/1800	70/1800	50	80	202
	Polypropylene	32/2000	28/2100	30	/	100
	Nylon PA12	48/1700	70/1800	20	82	175
	Nylon with Glass Fiber	30/2800	165/270	6.5	86	173
	White Nylon	46/1700	47/1700	15	/	167
	TPU	18/61	6.2/86	276	88	169

Nylon PA11



Polypropylene



Nylon PA12



Nylon with Glass Fiber



White Nylon



TPU

