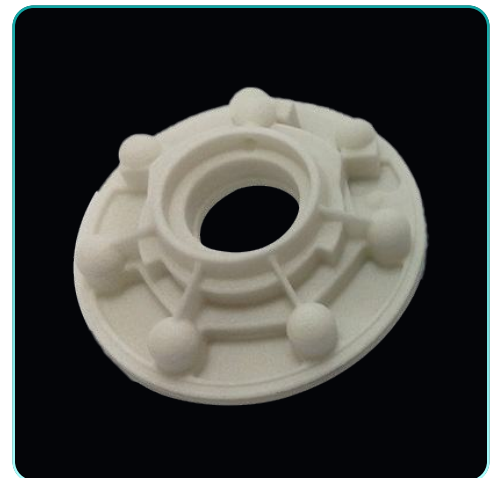
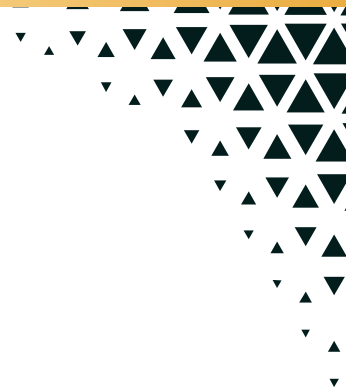


NYLON POWDER KSPA12GB





MATERIAL OVERVIEW

KSPA12GB is a composite nylon powder containing 40% glass beads. The printed parts are with high stiffness, high temperature resistance. And powder reuse rate can reach up to 100%

ADVANTAGE

- Blue-gray color
- Printed parts have high stiffness and high temperature resistance
- High reuse rate, close to 100%

ADVANTAGE

- Functional structures
- Concept prototypes
- Automotive, aerospace, architectural, and electronic applications

MECHANICAL PROPERTIES	VALUE	UNIT	TEST STANDARD
Tensile Modulus	3000	Mpa	ISO 527
Tensile Strength	46	Mpa	ISO 527
Strain at break	9	%	ISO 527
Charpy impact strength	36	KJ/m ²	ISO 179
Charpy notched impact strength	6	KJ/m ²	ISO 179
Flexural modulus	2800	Mpa	ISO 178
Flexural Strength	70	Mpa	ISO 178

OTHER PROPERTIES	VALUE	UNIT	TEST STANDARD
Powder Melting temperature (10°C/min)	187	°C	ISO 11357
Vicat softening temperature (50°C/h50N)	150	°C	ISO 306
Density (Laser Sintered)	1.2	g/cm ³	Own method
Density (Powder)	0.72	g/cm ³	Own method
Particle Size (D50)	50	µm	Laser Diffraction



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