100% utilization

KSPA12GB

Kings team

Additive Material

Material Overview

KSPA12GB is a composite nylon powder containing 30% glass fiber. The printed parts are with high stiffness, high temperature resistance. And powder reuse rate can reach up to 100%.

Advantage

※ **Blue-gray coloration**

※ **Remarkably high reuse rate, approaching 100%**

※ **3D printed parts exhibit superior stiffness and high-temperature resistance**

Ideal Application

※ **Functional structures**

※ **Concept prototypes**

※ **Automotive, aerospace, architectural, and electronic applications**

Technical Datasheet

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/㎡	ISO 179
Charpy notched impact strength	6	KJ/㎡	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/cm³	Own method
Density (Powder)	0.72	g/cm³	Own method
Particle Size (D50)	50	μm	Laser Diffraction

These values may vary and depend on individual machine processing and post-curing practices.

Email: info@additivematerial.com

Add: Building B, No. 1895 Xinkai Road, Zhongdai Street, Pinghu City, Jiaxing City, Zhejiang Province

Visit us online at www.additivematerial.com

Zhejiang Additive Material Co. Ltd