

PPGW (3D magic) series filaments

low-shrinkage PP filament based on the Glass Wool for FDM (Fused Deposition Modelling) 3-D Printing

3D printer filament Polypropylene [PP]

PP is so high-shrinkable polymer in the range of 20/1000 that it would not suit to 3D printer filament use. Nanodax developed low-shrinkage PP filament based on the Glass Wool innovative technology.

3D magic is suitable for practical products

Advantage

- lightweight,
- acid/alkali resistance
- Suppress warpage,
- good adhesion between layers
- New manufacturing proposal
- On-demand production of prosthetic limbs
- 3D is ideal for prototyping
- Glass wool is a recycled material of waste glass and is used as a thermal insulation material in construction & refrigerator.
- The used Glass wool is discarded.
- Nanodax developed the world's first technology to be reused. We up-cycle as a high value-added product that adapts to the circulating society.

Material physical property

	MFR	Density kg/m ³	Tensile strength			Flexural strength		Temp of distortion 0,45 Mpa/°C	Rockwell hardness R scale
	g/10min		at yield Mpa	at break Mpa	modulus Mpa	modulus Mpa	strength Mpa		
PPGW	7,8	1,023	23,2	17,2	1,900	1,930	32,2	100	74

NOTICE: Technical information and data regarding the composition, properties or use of the products described herein is believed reliable. However, no representation or warranty is made with respect thereto except as made by seller in writing at time of sale.

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