



Siridi (Wuhan) 3D Printer Supplies Co.,Ltd
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Wuhan City, China Mainland
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HIPS Filament 1.75mm 3.0mm for 3D printer

Material: HIPS

Brand name: Siridi

Filament diameter: 1.75mm/3.0mm

Weight: About 1KG (about 2.2LBS)

Print temperature: 220-260 centigrade

Packing: 1kg/spool/polybag/box,

N.W.:1kg, G.W.:1.4kg box size: 20*20*12cm 12boxes/carton,

N.W.: 12kgs, G.W.: 17kgs carton size: 38.5*38.5*35cm

3D printer has been used by designers, engineers and scientists to produce the disposable mechanical products and model, and it is already widely used in health care, education, toys, building, automobile, electronics, and anime field.

There are a multitude of different 3D printing technologies out there all using different materials to build objects. We supply Siridi ABS PLA HIPS filament of 3D printing materials for the 3D printers.

Parameter	Unit	HIPS
Density	g/cm ³ , 21.5°C	1.04
Melt Flow Index	10min, 2.16kg	4
Melt Point	°C	225-240
Heat-Deflection-Temperature	°C, 0.455MPa	7
Yield Strength	MPa, 5mm/min	80-90
Impact Strength	KJ/m ²	10
Ensil Break	%	55
Diameter	mm	1.75/3±0.05
Color	-	28 colors

The newly established liquid soluble ABS support material HIPS (High impact polystyrene) is a versatile, economical and impact-resistant support material.



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HIPS is soluble in Limonene. This material can be printed either standalone or as support for over lengths and holes for ABS parts.

Extrusion temperature: 220 - 260 °C

Extrusion bed temp: 110 °C

Filament size: 3.0 mm, 1.75mm

Amount/weight: 1 kg/spool

The filament extrudes precisely for fast printing and consistent layering
Compatible with most 3D Printers such as RepRap, Makertbot, Ultimaker, Up!, Makergear, Mendel, TierTime Inspire, Felix and more...

Attention:

3D printing parts/models can be glued with acetone, superglue or MEK
Do not remove 3D printed parts from the extrusion bed until the parts are cooled down – in case of using the HIPS support material as it remains pliable.

Production Control

1. Produce process

I . Before produce extruding filament, we will dry ABS and PLA for a enough time (3-5 hours).

II. Mix with colors masterbatch or colors powder, all which .certified with ROHS.

III. Adjust temperature and dragging rate , make filament diameter range at 1.6-1.8mm/2.9-3.0mm, roundness +/-0.05mm, each spool net weight 1kg+/-0.05kg

IV we put all filament spool in shelf, different kind in different shelf, all categories arrange orderly.

2. Production quality control

I. we have diameter laser detect kits to control extruding rate on line, when diameter smaller or higher than accept range, the laser detect kits will adjust the extruding rate higher or smaller to make diameter range at acceptable.

II. Keep each record filament samples sent to customers, build a tracking able document.

III. When the filament put on shelf longer than half a year, we will dry the filament again.

3. About waste & recycle



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Much time you will find some black filament is too brittle, that added and mixed with some recycle and scrap after produced.

We haven't produced with scrap outlet, rework& recycle material, or dispose, but for quality assurance purpose.

4. Packaging

We put each filament /spool on seal PE vacuum bag, then in smaller box, then out big carton

We also have vacuum heated bag to replace of PE bag, make better avoid moisture.

5. Research and developing

We have engineers that specialty in color formulation ,plastic modification, packaging, quality control ,producing control, we can do according to your requirements .

Payment accepts:

T/T, PayPal, Western Union wire

Shipping:

1. By express,

if you live where far from China(like Russia, Middle East, East Euro, South America ,Africa), we will choose go by china post, maximum 2kg, , it is cheaper go by air when quantity bigger than 50kg .

East/South Asian, West Euro, North America, Australia are good price go by express and not quantity limited.

2.By sea,

When quantity more than 300kg, we suggest go by sea, it is very cheap, about \$350 -500.and some fee you should pay to local port and warehouse, you can contact the shipping company to take the goods from port to your address.