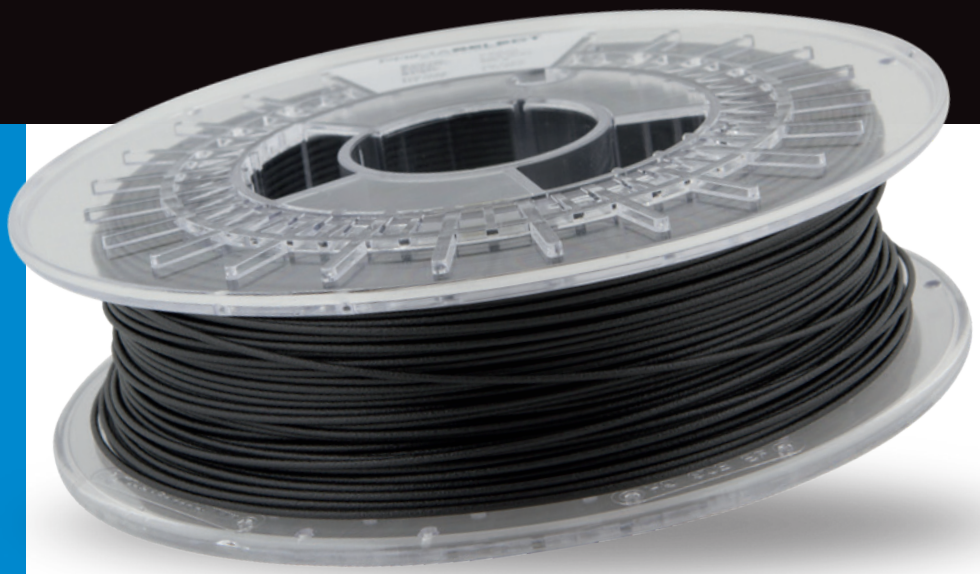
SELECT™ CARBON



Why should I use SELECT™ CARBON?

- Carbon reinforced PETG
- Easy to use, no warping and very dimensionally stable.
- Very good layer adhesion
- High impact and heat resistance
- No hazardous fumes

* Please see our website for latest options and colors available.

SELECT™ CARBON

SELECT™Carbon is the latest generation of high performance material for your 3D Printer. Our SELECT™Carbon is based on PETG and is reinforced with 20% carbon fibers. This makes for an extremely tough filament that is perfect for printed parts that can be used in the automotive industry, drones and RC parts.

PRIMA™ -CREATOR-

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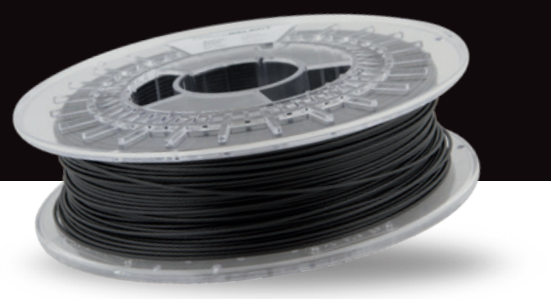

INFORMATION:

SELECT™Carbon is a very useful material that has very unique properties. Mixed with small, chopped carbon fiber strands, SELECT™Carbon filament offers incredible rigidity, structure, and great interlayer adhesion. Due to the fact that there´s a very low risk of warping, SELECT™Carbon is very easy to print with and has a matt surface when done. The finished prints are very stiff and rigid and are very useful if you need an object with high stiffness to weight ratio. SELECT™Carbon doesn´t require a heated bed, but if you have one, set it to 35-60 ºC to get a really good first layer adhesion.

Due to the abrasive nature of SELECT™Carbon we recommend that you use a hardened steel nozzle for this filament. Using a regular brass nozzle isn´t a problem but it will wear out the nozzle in a short time.

SELECT™Carbon sticks on BuildTak, Glass coated with adhesive spray or glue stick, painters tape coated with hairspray and has been used successfully with glue stick, 3DLac, DimaFix and Magigoo.

SELECT™Carbon is reeled on a transparent spool with 500 g of high quality filament. It´s packed in a sturdy box and packed with silica gel to avoid moister.

SELECT™Carbon sticks on BuildTak or glass plate coated with adhesive spray or glue stick.

SELECT™Carbon are available in diameter sizes of 1.75 mm and 2.85 mm.

Our state of the art factory is equipped with the latest in laser measuring technology to ensure that you will receive a spool of filament with a very tight diameter and roundness tolerance. This in turn makes for a filament that is compatible with most common printers on the market today.

Dimensions

Size:	Ø tolerance	Roundness
1,75 mm	±0,05 mm	≥ 95 %
2,85 mm	±0,10 mm	≥ 95 %

Physical properties

Description:	Testmethod	Typical value
Specific gravity	ASTM D792	1,19 g/cc
MFI (300 ºC -1,2 kg)	ISO 1133	N.D.
E-modulus 1 mm/min	ISO 527	3800 MPa
Yield stress 50 mm/min	ISO 527	52,5 MPa
Yield strain 50 mm/min	ISO 527	4,2 %
Strain at break 50 min/min	ISO 527	8,0 %
Impact Strength Izod Notched 23ºC	ISO 180-1A	3,8 kJ/m²

Thermal properties

Description:	Testmethod	Typical value
Printing temp	-	230-265 ºC
Heat Distortion T.	ASTM D648	80ºC

Reseller:

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