



## FLEX 65 @df

FLEX 65 @df is a semi flexible filament for 3D printing. It is easy knotable as a filament, and bendable in most not too robust 3D shapes. Its mechanical strength, durability and good resistance to chemicals and extreme temperatures makes it a unique filament, which is easy to print. This BIO performance Thermoplastic Co-Polyester has a medium carbon content of renewable materials resulting in less environmental impact. Finally FLEX 65 @df exhibits excellent UV resistance.

### Features:

- Semi flexible & easy to print
- Long term heat resistant
- Good chemical resistance
- UV resistant



### Colours:

FLEX 65 @df is available from stock in natural and black. For other colours a minimum of 30kg ± 10% is required.

na bk

### Packaging:

FLEX 65 @df is available in nearly any type of packaging and labelling. Ask our team to help you customizing your product.

### Additional info:

Recommended temperature for heated bed is ± 100°C. but various other options (also without heated bed) are possible depending on the type and size of the object to be printed..

FLEX 65 @df can be printed better at a lower speed (approx 60-70%), due to its flexibility.

FLEX 65 @df can be used on most common desktop FDM or FFF technology 3D printers.

Storage: Cool and dry (15-25°C) and away from UV light. This enhances the shelf life significantly.

### Dimensions

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

### Physical properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,23 g/cc
Melt volume flow rate	ISO 1133	5 cm <sup>3</sup> /10 min
Stress at break	ISO 527	34
Strain at break	ISO 527	260%
Tensile modulus	ISO 527	320 MPa
Impact strength Charpy method 23°C	ISO 179	Notched No break
Shore D Hardness	ISO 868	65

### Thermal properties

Description	Testmethod	Typical value
printing temp.	-	240-270°C
melting temp.	ISO 11357	210°C