

MakerPoint FLEX 45

MakerPoint FLEX 65 is a semi flexible filament. It is bendable in most not too robust 3D printed shapes. Its mechanical strength and durability combined with good resistance to chemicals and extreme temperatures makes it a unique filament. This BIO performance Thermoplastic Co-Polyester has a medium carbon grade of renewable materials resulting in less environmental impact. FLEX 65 exhibits excellent UV resistance.

Features:

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

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

Colors
MakerPoint FLEX 65 is available from stock in natural and black. Special colors are available upon request with a minimum order quantity of 20kg.

3D-printing	
Description	Typical value
Printing technology	FFF
Printing temp.	240-270°C
Heated bed temp.	± 100°C
Cooling fan	100%
Flow Rate	100%

Physical properties		
Description	Test method	Typical value
Density	ISO 1183	1,23 g/cc
Melt volume flow rate	ISO 1183	5 cm ³ /10 min
Stress at break	ISO 527	34
Strain at break	ISO 527	260,00 %
Tensile modulus	ISO 527	230 MPa
Impact strength Charpy method	ISO 179	Notched No break
Shore D Harness	ISO 868	65

Thermal properties		
Description	Test method	Typical value
Melting temp.	ISO 11357	210°C

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The data correspond to our knowledge and experience at the time of publication. They do not on their own represent a sufficient basis for any part design, neither do they provide any agreement about or guarantee the specific properties of a product or part or the suitability of a product or part for a specific application. It is the responsibility of the producer or customer of a part to check its properties as well as its suitability for a particular purpose. This also applies regarding the consideration of possible intellectual property rights as well as laws and regulations. The data are subject to change without notice as part of MakerPoints continuous development and improvement processes.



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