Technical datasheet
PET Flex Max

colorFabb

Date of issue: 07-09-2026
Version: v1.0

Description

General description of the product

Typical Properties

Mechanical Properties – 3D Printed

	Method	*Value*	*Unit*
Youngs Modulus	Tensile, ISO 527-1A	442	MPa
Tensile Strength	Tensile, ISO 527-1A	19,5	MPa
Elongation at break	Tensile, ISO 527-1A	418	%
Flexural Modulus	Flexural, ISO 178	423	MPa
Flexural Strength	Flexural, ISO 178	NA	MPa
Impact Strength	Charpy Notched, ISO 179	NB	kJ/m^2

Thermal Properties*

	Method	*Value*	*Unit*
Glass Transition Temp.	DSC, ISO 11357	67,6	˚C
Melting Temp.	DSC, ISO 11357	266*	˚C
Decomposition Temp.	TGA, ISO 11358	NA	˚C
Heat Deflection Temp.	HDT-B, ISO 75	NA	˚C
Melt Flow Index	MFI, (285˚C/2.16 kg), ISO 1133-A	NA	g/10min

*These results are obtained from the information provided by the supplier of the raw material

colorFabb B.V.
Bremweg 7
5951 DK Belfeld
The Netherlands

T +31 (0)77 – 4664015
F +31 (0)77 – 3971414
E sales@colorfabb.com
I colorfabb.com

KvK nr: 53498607
VAT nr: NL850902770B01
IBAN:
NL54RABO0151849188
BIC: RABONL2U

Technical datasheet
PET Flex Max

colorFabb

Date of issue: 07-09-2026
Version: v1.0

Filament Specifications

		Unit
Diameter	1,75	mm
Max. roundness deviation	± 0,03	mm
Net. Filament weight		g

Guideline for print settings

	Value	*Unit*
Nozzle Temp.	210-260	˚C
Bed Temp.	60	˚C
Bed / surface modification	Adhesion spray (3D lac)	-
Active cooling fan	100	%
Print Speed	150	mm/s

Notes

The reported properties are an average of a batch of 3D specimens.
The specimens have been printed in XY plane, using 0,2 mm layer height, 100% infill, 0,4 mm nozzle, 240 ˚C nozzle temperature and 60˚C bed temperature.

Disclaimer
The product- and technical information provided in this datasheet is correct to the best of our knowledge. The information given is provided as a guidance for good use, handling and processing, and is not to be considered as a quality specification. The information only relates to the specific product and the material properties.

colorFabb B.V.
Bremweg 7
5951 DK Belfeld
The Netherlands

T +31 (0)77 – 4664015
F +31 (0)77 – 3971414
E sales@colorfabb.com
I colorfabb.com

KvK nr: 53498607
VAT nr: NL850902770B01
IBAN:
NL54RABO0151849188
BIC: RABONL2U