TECHNICAL DATA SHEET
XPETG CF

1. DESCRIPTION

XPETG CF has been developed for a wide range of applications where the main requirement is a good balance between mechanical and optical material properties. The raw material is certified according to REACH and RoHS standards. PETG is flame retardant according to UL 94 with a wall thickness of 3.2 mm.

2. FEATURES

– Carbon composite material for performance applications
– Excellent mechanical properties
– High chemical resistance
– Low warping
– Low shrinking

3. PROPERTIES

TEST	METHOD	UNIT	VALUE
Tensile modulus (E-Modulus)	ISO 527	MPa	3350 ± 50
Yield stress	ISO 527	MPa	59 ± 0,4
Elongation at yield	ISO 527	%	3,8 ± 0,1
Strength	ISO 527	MPa	59 ± 0,4
Elongation at break	ISO 527-2	%	9,4 ± 1,5
Notched impact strength	ISO 180	kj/m²	1,7 ± 0,4
Unnotched impact strength	ISO 180	kj/m²	67 ± 7
Heat Deflection Temperature HDT/B	ISO 75	°C	69
VICAT A (VST)	ISO 306	°C	85
Density	ISO 1183-1XA	g/cm³	1,29
Flammability	UL 94	V-2	-

*Temperature resistance tested at a minimum wall thickness of 4 mm.

Recommended settings for printers with a 0.4mm Nozzle. Max. 50% layerheight. Optimal print settings may vary between different printers and also depend on environmental factors.

PRINT SETTINGS	
Nozzle	225-250°C
Heatbed	60-90°C
Adhesive	not required
Speed	20-100mm/s
Cooling	20-50%
Open Space	yes
Hardened Nozzle	yes

NEED HELP?

If you have any question about the product and/or you are experiencing an issue, please contact us via:

+43 660 8810 615 (Mo–Fr | 8 am - 14 pm)

support@extrudr.com | www.extrudr.com

5. CERTIFICATIONS & ADDITIONAL INFORMATION

RoHS compliant · **REACH** compliant · **FREE** of Silicone · **FLAMERETARDANT** UL 94 V-2

Certifications depend on colors in final product. More info in the additional information sheet.

6. STORAGE AND SHELF LIFE

Store in a dry room at room temperature (18-27°C / 65-80°F). Keep out of direct heat and sunlight.
When stored correctly, this material has a shelf life of 2 years.
Additional info in our regulatory, additional information and chemical resistance data sheets.