Technical Data Sheet
3D Printing Filament

Material: **PETG-CF20**

Description:

LynX PETG-CF is a premium composite filament combining PETG with short carbon fibers to deliver superior mechanical performance. It offers enhanced stiffness, strength, and dimensional stability, all while retaining PETG's natural flexibility and user-friendly printing characteristics. The inclusion of carbon fibers not only enhances its strength but also provides an attractive matte finish with a unique textured appearance, giving your prints a professional-grade aesthetic. This filament is perfect for creating strong, lightweight components with excellent thermal and chemical resistance, making it ideal for demanding applications where performance and appearance matter.

Physical Properties	Typical Value	Test Method
Density	1.17 g/cm3	ASTM D792
Dia Tolerance	+/-0.05	
Weight	1000gm	

Mechanical Properties (Printed)	Typical Value	Test Method
Tensile Strength	41MPA	ISO-527
Elongation at Break	5.6%	ISO-527
Flexural Modulus	1973 N/mm2	ISO-527
Flexural Strength	65MPA	ISO-178
Impact Strength	28 KJ/M2	ISO-179

Thermal Properties		
Heat Deflection Temperature	85oC	ISO 306
Vicat Softening Temperature	105oC	ISO 306
Melting Temperature	210 oC +/-5	ISO 306

Print Settings		
1st Layer Temp	250-270	oC
Printing Temp	240-280	oC
Bed Temp	80-90	oC
Cooling	0-30%	%
Speed	30-100	mm/s

***** Recommended Nozzle dia. 0.6mm *****

*** Dry Filament before use - 55/60oC 6hrs**

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