

Material	PLA CF																
	<table><tr><th>PLA-CF</th><th>Black RAL 9005</th></tr><tr><td>Print Temperature</td><td> 240 - 260°C</td></tr><tr><td>Volumetric Speed</td><td> 12 mm³/sec.</td></tr><tr><td>Cooling Fan</td><td> 100%</td></tr><tr><td>Table Temperature</td><td> 60 - 80°C</td></tr><tr><td>Drying Time</td><td> 2 - 4 hours</td></tr><tr><td>Drying Temperature</td><td> 30 - 40°C</td></tr><tr><td>Enclosure</td><td> Open</td></tr></table> Temperature Resistance = 65°C	PLA-CF	Black RAL 9005	Print Temperature	 240 - 260°C	Volumetric Speed	 12 mm³/sec.	Cooling Fan	 100%	Table Temperature	 60 - 80°C	Drying Time	 2 - 4 hours	Drying Temperature	 30 - 40°C	Enclosure	 Open
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1. PLA Carbon Fibre composite for professional FDM use

Blends dependable PLA printability with carbon fibre reinforcement for added performance.

2. Keen stiffness with reduced flex

Carbon fibre content increases rigidity, helping parts maintain shape under load.

3. Improved dimensional stability over standard PLA

Reduced shrinkage supports crisp geometry and accurate, repeatable results.

4. Controlled print behaviour without unnecessary complexity

A considered step-up from PLA that remains predictable and kind to process.

5. Lightweight yet durable construction

Delivers structural confidence without the weight or handling demands of engineering nylons.

6. Clean, technical matte black surface finish

Produces purposeful, professional-looking parts straight off the printer.

7. Consistent performance across batch and repeat work

Suitable for jigs, fixtures, and tooling aids where reliability matters.

8. Capable choice for stiff, accurate components

Ideal when stiffness and appearance matter more than impact resistance or flexibility.

Kelvra PLA Carbon Fibre (PLA/CF) blends the easy, dependable printability of standard PLA with carbon fibre reinforcement to deliver keen stiffness and improved dimensional stability for professional FDM printing.



Product Information Sheet

The carbon fibre content reduces flex and shrinkage, helping parts keep their shape under load and maintain crisp geometry on flat surfaces and sharp features. Despite the added reinforcement, PLA/CF remains kind to print, making it a considered step-up from standard PLA without unnecessary complexity.

[Click HERE for all Carbon Fibre options](#)

This Technical Data Sheet is provided to support engineers who care about consistency and capability, not just competitive comparison.

If you're developing a part, validating a material, or solving a printing problem, Kelvra is keen to help you get the correct filament choice.