

**Fortis CRCF-ABS** 3D Printing Filament is a new ABS-CF type filament with a double-layer structure. Called coated Carbon fiber filament, C-CF ABS range filament has increased the Carbon/Glass fiber content of ABS-GF to 15-25%. Not only the content is increased, but also fiber length increase to 0.1-0.5mm, because of the Aspect ratio increasing, model be printed with more strength.



Physical Properties	Typical Value
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Material Density	1.05g/cm <sup>3</sup>
Carbon fiber surface content	15-25%
Fiber length	0.1-3mm

Physical Parameters	Typical Value
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Heat deflection temperature	78-88°C
Tensile Strength (3D Printing)	65MPa
Elongation at Break	≤8%

Printing 100% Infilling Parameter	Typical Value
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Printing temperature	240-280°C
Platform temperature	≥85°C
Printing speed	60-120mm/s
Printing speed (M.V.S)	8-14mm <sup>3</sup> /s
Enclosed chassis	Y
Cooling Fan	20%

Size	N.W	G.W	Diameters	Packing Characteristic
XM	500g	700g	1.75mm / 2.85mm / 3.00mm	SmartBag, Security Seal
L	1000g	1200g	1.75mm / 2.85mm / 3.00mm	SmartBag, Security Seal

