

# CFUW

CFUW is a chopped carbon fiber made of high class long fiber and designed for compounding especially in Polyamides, Polyphthalamide and other polymers.

Three different sizing contents for optimized behavior:

- LC – Low content for a good electrical conductivity with low outgassing
- MC – Medium content balanced between conductivity, and mechanical properties
- HC – High content for best mechanical strength, and increased resistivity

Material Properties	Value	Unit	Test Method
Fiber Type	Polyacrylnitrile (PAN)		
Fiber Length standard	6	mm	NPS
Fiber Length available	2 ... 25	mm	NPS
Fiber Diameter	5 ... 7.5	µm	NPS
Size Amount (low – medium – high)	1.5 – 3 – 5	%	NPS
Density	1.76 ... 1.82	g/cm <sup>3</sup>	NPS
Bulk Density	> 300	g/cm <sup>3</sup>	NPS
Moisture Content	< 0.2	%	NPS
<b>Compound Properties in PA66</b>	Fiber content 20%	Sizing 3%	
Flexural Strength	257	MPa	NPS
Flexural Modulus	18,2	GPa	NPS
Charpy Impact Strength	8	KJ/m <sup>2</sup>	NPS

Standard delivery unit is 20kg plastic bag, 500kg per palette.

Disclaimer: Above values are for reference only and must be checked individually for each application. This information is given in good faith, we cannot guarantee all aspects to be covered.