

CFEX1

CFEX1 is a chopped carbon fiber made of high class long fiber and designed for compounding especially advanced thermoplastics such as PEEK, PEI, PES, PI, PPA and PPS. Its medium seizing content is balanced between conductivity, outgassing and mechanical properties.

Three different sizing contents for optimized behavior:

- LC – Low content for a good electrical conductivity with low solvent evaporation
- 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 ³	NPS
Bulk Density	> 300	g/cm ³	NPS
Moisture Content	< 0.2	%	NPS
Compound Properties in --	Fiber content 20%	Sizing 3%	
Flexural Strength	to be confirmed	MPa	NPS
Flexural Modulus	to be confirmed	MPa	NPS
Charpy Impact Strength	to be confirmed	KJ/m ²	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.