



## CFCCARBON CO., LTD

### C/SiC properties

**Product name: C/C-SiC; C/SiC; Cf/SiC**

**C/C Type: 2.5D;**

**C/SiC type: C/C+CVD+LSI**

**Main application: Friction material (racing car, heavy-duty car, armored car, Mili- brake disc series)**

No.	Items	C/SiC	Unit	Remarks
1	density	1.9~2.2	g/cm <sup>3</sup>	
2	Tensile strength	80-120	MPa	
3	Bending strength XY-direction	90-130	MPa	
4	Bending strength C-direction	90-120	MPa	
5	Compressive strength	180-240	Mpa	
6	Shear strength XY	10-15	Mpa	
7	Shear strength Z	45-60	Mpa	
8	Specific heat	0.6-1.2	J/(g.k)	
9	Thermal conductivity	25-35	W/(m.k)	
10	dynamic friction coefficient	0.22-0.35	/	the coefficient can be adjustable due to: application field, mating material...
11	Static friction coefficient	0.30-0.52	/	

Note: The above technical parameters are for reference only, and the performance indicators of different carbon fiber models and combined processes are different, which can be adjusted according to actual needs

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**CFCCARBON CO., LTD**

**Address: No.1, Xingmao Street, Tongzhou District, Beijing 100176, China.**

**Post code: 100176**

**Fax: +86 10 80828912**

**Website: [www.cfccarbon.com](http://www.cfccarbon.com)**

**Email: [potter@cfccarbon.com](mailto:potter@cfccarbon.com); [hiclsun@gmail.com](mailto:hiclsun@gmail.com)**

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