



## Carbon Technology

## Data Sheet Grade CF 226

Schunk Kohlenstofftechnik GmbH  
Rodheimer Strasse 59  
35452 Heuchelheim, Germany  
research.skt@schunk-group.com

Reinforcement: cloth		
Fiber volume fraction	(% by volume)	60
Bulk density	(g/cm <sup>3</sup> )	1.50
Porosity	(%)	8
Flexural strength	(MPa)	120
Strain to failure	(%)	0.23
Young's modulus	(GPa)	60
Fracture behavior		pesudoplastic
Interlaminar shear strength	(MPa)	8
Final heat treatment temperature	(°C / °F)	2000 °C 3630 °F
Coefficient of thermal expansion $\alpha$ 25 - 670 °C (77 - 1235 °F)	(10 <sup>-6</sup> /K)	
to the plane of reinforcement		0.8
⊥ to the plane of reinforcement		7.3
Thermal conductivity	(W/mK)	
to the plane of reinforcement		40
⊥ to the plane of reinforcement		5
Specific electrical resistance at ambient temperature	(μΩm)	25
Ash	(ppm)	> 300

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**A purified version of this material is also available.**

The data shown above are not guaranteed, but typical values based on our experience. It should be understood that a spread of results can occur due to variations in materials and production processes.

Please find the standards for the determination of our material properties at [www.schunk-group.com/skt/dm](http://www.schunk-group.com/skt/dm)