



Carbon Technology

Data Sheet Grade CF 226/2

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 ³)	1.35
Porosity	(%)	20
Flexural strength	(MPa)	100
Strain to failure	(%)	0.18
Young's modulus	(GPa)	50
Fracture behavior		pesudoplastic
Interlaminar shear strength	(MPa)	6
Final heat treatment temperature	(°C / °F)	2000 °C 3630 °F
Coefficient of thermal expansion α 25 - 1200 °C (25-2190 °F)	(10 ⁻⁶ /K)	
to the plane of reinforcement		1.1
⊥ to the plane of reinforcement		7.0
Thermal conductivity	(W/mK)	
to the plane of reinforcement		20
⊥ to the plane of reinforcement		2
Specific electrical resistance at ambient temperature	(μΩm)	28
at 2000 °C (3630 °F)		14
Ash	(ppm)	> 300

eb 08.03

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