



## Data Sheet Grade CF 222

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|  |                       |                   |
|--|-----------------------|-------------------|
| Reinforcement: Cloth   |                       |                   |
| Fiber volume fraction  | (percent by volume)   | 60                |
| Bulk density   | (g/cm <sup>3</sup> )  | 1.55              |
| Porosity   | (%)                   | 8                 |
| Flexural strength  | (MPa)                 | 200               |
| Strain to failure by flexural test                                       | (%)                   | 0.25              |
| Flexural modulus   | (GPa)                 | 80                |
| Interlaminar shear strength  | (MPa)                 | 8                 |
| Heat treatment temperature   | (°C / °F)             | 2000 °C / 3630 °F |
| Coefficient of thermal expansion<br>$\alpha$ 25 - 1000 °C (75 - 1830 °F) | (10 <sup>-6</sup> /K) |                   |
| to the plane of reinforcement  |                       | 0.8               |
| ⊥ to the plane of reinforcement  |                       | 7.0               |
| Specific electrical resistance<br>at ambient temperature                 | (μΩm)                 | 22                |
| at 2000 °C / 3630 °F   |                       | 10                |
| Thermal conductivity   | (10 <sup>-6</sup> /K) |                   |
| to the plane of reinforcement  |                       | 40                |
| ⊥ to the plane of reinforcement  |                       | 10                |
| Fracture behaviour   |                       | pseudoplastic     |

A purified grade of this material is also available.

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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)