

SIGRABOND® Mechanical

Material: Carbon fiber-reinforced carbon (C/C)

Application: High-temperature applications

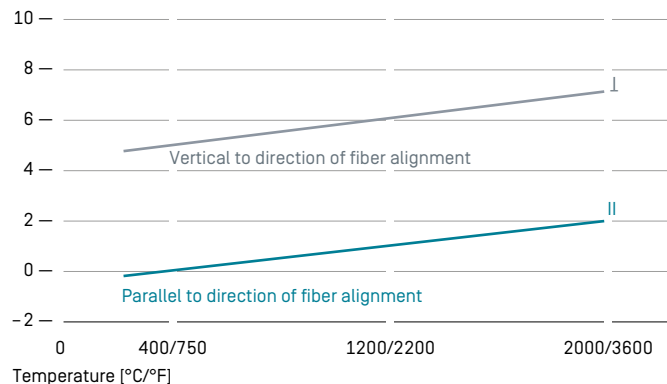
Material data of SIGRABOND® Mechanical

| Typical properties | Units | Mechanical |
|------------------------------|-------------------|------------------------------------|
| Density | g/cm ³ | 1.5 |
| Flexural strength | MPa | 100 |
| Flexural modulus | GPa | 28 |
| Interlaminar shear strength | MPa | 11 |
| Tensile strength | MPa | 65 |
| Tensile modulus | GPa | 35 |
| Ash content | ppm | 1000 |
| Ash content (purified grade) | ppm | < 10 |
| Max. application temperature | °C [°F] | 2000 [3600] in vacuum or inert gas |

Values without tolerance represent typical average values. For any engineering/design purposes please always contact our technical sales team.

Coefficient of thermal expansion of SIGRABOND Mechanical

$$\alpha = x \cdot 10^{-6}/K$$



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