



DATA SHEET

Product name: carbon carbon (C/C) composite

Type: C/C composite, 2.5D

Main application: Airplane Brakes

ITEM	Designed	Tested
Bulk density g/cm ³	≥1.70	1.78
Graphitization %	≥50	≥50
Compressive strength MPa ⊥	≥80	334
Flexual strength MPa	≥60	118.2
shear strength MPa	≥30	85
Thermal conductivity w/m.k(800°C) ⊥	≥20	25.9
Static weight loss rate of anti-oxidation coating %	≤10	0.23
thermal shock weight loss rate of anti-oxidation coating %	≤10	0.19
coefficient of dynamic friction μ	0.30~0.45	0.30~0.45
Inertial platform linear wear μm/time/face	≤2.5	≤2.5

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