

Typical Properties of CFRC

Material: CFRC

Fiber alignment	2.5D needle punched			
Bulk density	1.2	1.35	1.5	g/cm ³
Flexural Strength	>=100	>=120	>=150	Mpa
Flexural Modulus				Gpa
Tensile Strength	>=60	>=60	>=80	Mpa
Compressive Strength	>=100	>=120	>=150	Mpa
Interlaminar Shear Strength			25	Mpa
Shore Hardness				
Electrical Resistivity				10 ⁻⁶ Ω·cm
Coefficient of thermal expansion	<=4	<=4	<=4	10 ⁻⁶ /K
Thermal conductivity (⊥ direction)	20-30	20-30	20-30	W/m·K
Ash	<200	<200	<200	ppm

Typical Dimensions of CFRC

	Unit mm			
Length	X	Width	X	Thickness
1200	X	1200	X	1.5
1200	X	1200	X	3
2450	X	1200	X	5
2450	X	1200	X	7
2450	X	1200	X	10
max 2800	X	2100	X	max300