

Technical Data

		CHP760	CAS761	CAG762	CFR767	
Grade		Standard	Anti-Static	Anti-Static Optical	Flux Resistant	
Colour		Blue	Black	Grey	Brown	
Density (g/cm ³)		1.85	1.85	1.85	1.80	
Flexural Strength 3 point support (MPa)						
	⊥	@ 23 °C	360	360	360	380
		@ 150 °C	180	180	180	260
		@ 185 °C	–	–	–	150
Modulus of Elasticity (MPa)		@ 23 °C	18,000	18,000	18,000	18,000
		@ 150 °C	9,000	9,000	9,000	14,000
		@ 185 °C	–	–	–	10,000
Water Absorption (%)		< 0.20	< 0.20	< 0.20	< 0.20	
Coefficient of Linear Expansion (10 ⁻⁶ /K) between 30 °C and 200 °C		13	11	11	11	
Thermal Conductivity (W/m ² K)		0.25	0.25	0.25	0.23	
Maximum Operating Temperature (°C) 10 - 20 seconds		300	300	300	380	
Standard Operating Temperature (°C)		260	260	260	300	
Surface Resistivity (ohms)		–	10 ⁵ - 10 ⁹	10 ⁵ - 10 ⁹	10 ⁵ - 10 ⁹	
Chemical Resistance		Good	Good	Good	Excellent	
Sheet Size (mm)		2440 x 1220				
Thickness' available (mm)		3, 4, 5, 6, 8, 10, 12				
Thickness Tolerance		3 mm	-0 / +0.10			
		4 - 12 mm	-0 / +0.20			
Flatness Tolerance (for a panel size of 300 x 300 mm)		0.20				
Parallelism (mm)		0.10				

- All the values are average values.
- Material is considered as not electrostatic dissipative (ESD) if more than 5 measurements / m² are insulative (10¹² Ω). According to JEDEC standard JESD625B, a static dissipative material is a material having a surface resistance between 10⁴ and 10¹¹ Ω.
- Cosmetic defects are not considered as non-conformities. Due to the nature of glass fiber composite, the colour repartition is not guaranteed.