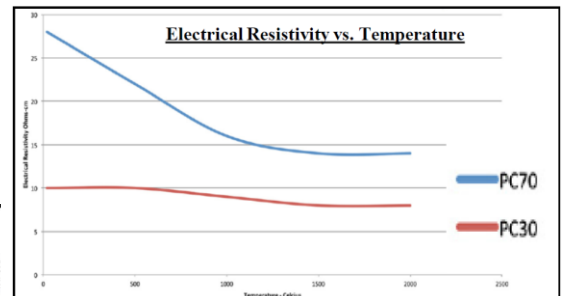
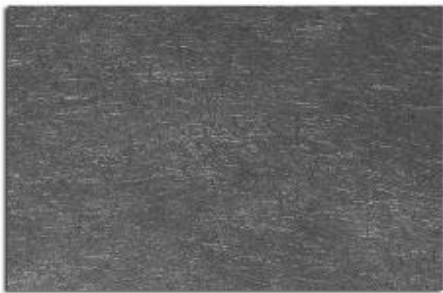


Carbon Fiber Composite (Chopped Fiber)

- This CFC material uses short, random length fiber, laid in a non uniform structure
- Chopped fiber CFC provides stronger interlaminar strength & higher density
- Ideal for machining complex shapes & threads with Fabricated grids have higher strength & improved design capabilities
- while retaining its overall strength

Material Grade			PC70	PC40	PC30	WL60
Bulk Density		g/cm ³	1.7	1.7	1.7	1.6
Thickness		MPa	200	150	200	150
Compressive Strength		MPa	210	190	200	120
Interlaminar Shear Strength		MPa	17	15	15	11
Coefficient of Thermal Expansion (RT-1300C)		10 ⁻⁶ /°C	1.3	0.3	1.1	1.1
	⊥		10	10.6	10.5	9
Thermal Conductivity		W/m · K	35	75	130	33
	⊥		12	20	29	10
Specific Heat	20C	J/Kg · K	720	740	720	
Electrical Resistivity		μΩcm	2000	1300	1000	2800
Sharpy Impact Strength		KJ/m2	20			
Shore Hardness			75			
Temperature rating		°C	2000	2500	2500	2000
Dimensions Available		MM	1000 x 1000 x 1~28mm 1120 x 1120 x 1~10mm 1000 x 2000 x 5~25mm	1000 x 1500~2000 x 3~30mm	500 x 1500 x 30~57mm	1000 x 1000 x 2~5mm



Chopped Fiber CFC has excellent interlaminar shear compared to other multi-ply CFC's