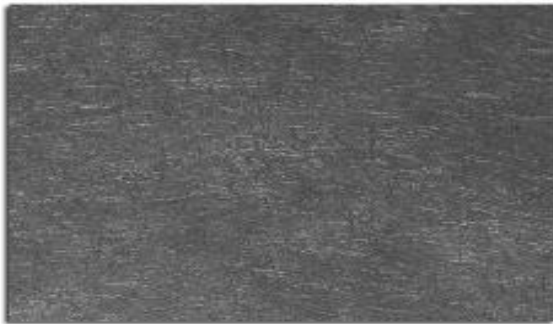


## Carbon Fiber Composite (Chopped Fiber)

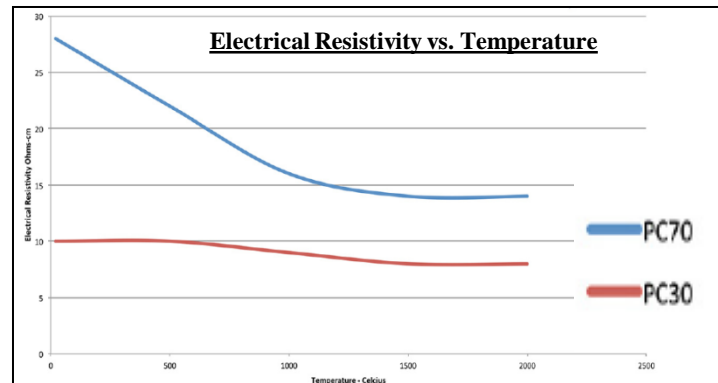
- This CFC material uses short, random length fiber, laid in a non uniform structure
- Chopped fiber CFC provides stronger interlaminar strength & higher density
- Ideal for machining complex shapes & threads while retaining its overall strength
- Fabricated grids have higher strength & improved design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



Material Grade			PC70	PC40	PC30	WL60
Bulk Density		g/cm <sup>3</sup>	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
( RT-1300C ) Coefficient of Thermal Expansion		10 <sup>-6</sup> /°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		J/Kg · K	720	740	720	
Electrical Resistivity		μΩcm	2000	1300	1000	2800
Charpy Impact Strength		KJ/m <sup>2</sup>	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



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