

Technology Overview

❖ Carbon Composite Property Comparisons

RAW MATERIAL	THERMAL CONDUCTIVITY (W/m*K)	CTE (ppm/C)	DENSITY (g/cm ³)	TENSILE MODULUS (msi)	Standard Core Thicknesses (Inch)
ST 600	620.0	-1.15	2.20	130.0	0.010"
ST 325	325.0	-1.15	2.17	114.0	0.008"
ST 10	8.0	-1.10	1.76	34.0	0.009", 0.006"
FR4	0.3	17.00	1.80	2.4	
POLYIMIDE	0.3	17.00	1.70	3.0	
COPPER	385.0	17.00	8.92	12.0	
ALUMINUM	240.0	24.00	2.70	10.2	
CIC	108.0	4.00	9.90	19.0	

Stablor® values represents data of raw fibers