

CF-PLA Technical Data Sheet(TDS)

Physical Properties	Testing Method	Unit	Testing Data
Density	ISO 1183	g/cc	1.29

Mechanical Properties	Testing Method	Unit	Testing Data
Tensile Strength	ISO 527	MPa	48
Tensile Modulus	ISO 527	MPa	4950
Breaking Elongation	ISO 527	%	2
Bending Strength	ISO 178	MPa	89
Flexural Modulus	ISO 178	MPa	6320

Thermal Properties	Testing Method	Unit	Testing Data
Glass Transition Temp. (T _g)	DSC	°C	60
0.45Ppa Max Bending Temp.(66psi)	ISO 75	°C	91

Electrical properties	Testing Method	Unit	Testing Data
Surface resistance	ASTM D257	Ω /sq	>10 ⁹

Print recommended parameters	
Printing Temp.	190 -220 °C
Hot Bed Temp.	0-60 °C
Printing Speed	30-70 mm/s
Inner Temp.	0-40 °C
Cooling Fan	50-100%