

Datasheet



CFC PA

CFC PA is Nylon based material developed by Polymaker for use in Anisoprint CFC (continuous fiber coextrusion) process.

Lower viscosity allows for better binding of fiber layers, while fast cooling and solidification rate helps to achieve a better quality of fiber placement.

This plastic is also low absorption grade and can be printed from open air for a decent amount of time.



Material properties	CFC PA	
	As Printed	100 °C Annealed
Density	1.03	1.03
Tensile Strength (MPa)	41.05 ± 1.20	56.80 ± 0.53
Young's Modulus (MPa)	1251.45 ± 282.43	1442.27 ± 70.33
Elongation at Break (%)	> 50%	15.86 ± 2.41
Bending Strength (MPa)	54.14 ± 1.10	68.67 ± 1.46
Bending Modulus (MPa)	1189.58 ± 84.86	1580.61 ± 195.82
Notched Charpy Impact (kJ/m2)	14.94 ± 1.42	11.42 ± 0.98
HDT at 0.45MPa	54.9	104 °C
HDT at 1.8 MPa	47	85 °C

*All testing specimens were printed at ± 45° 100% infill