

Datasheet

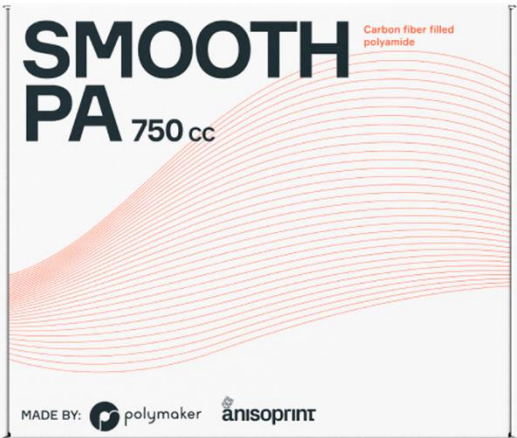


SMOOTH PA

Smooth PA is a branded Nylon based material, developed by Polymaker especially for use with Anisoprint Composer A4/A3.

Comparative to other Nylon filaments on the market, Smooth PA features low moisture absorption and makes use of anti-warping technology.

Perfect surface quality and ease of use also make it the best choice for most users.



Material properties	SMOOTH PA	
	As Printed	100 °C Annealed
Density	1.06	1.06
Tensile Strength (MPa)	43.55 ± 0.27	71.63 ± 1.67
Young’s Modulus (MPa)	1971.77 ± 135.0	3304.39 ± 145.15
Elongation at Break (%)	33.88 ± 8.91	3.57 ± 0.25
Bending Strength (MPa)	48.19 ± 3.69	109.97 ± 1.38
Bending Modulus (MPa)	2011.59 ± 178.0	3535.0 ± 239.29
Notched Charpy Impact (kJ/m2)	17.69 ± 1.14	12.52 ± 0.68
HDT at 0.45MPa	50 °C	131 °C
HDT at 1.8 MPa	/	105 °C

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