



Specifiactaion of Esun 3D Filament

Item	测试项目	Unit	ABS	HIPS	PLA	Nylon	Conductive
Density	密度	kg/m ³	1.01	1.02-1.06	1.20-1.25		
Melt Point	熔点	°C	220-260	220-260	190-220	220-260	220-260
Melt Flow Index	熔体流动速率	g /10 min	1.43	6.68	7.8		
Tensile Yield	拉伸强度	Mpa	40.96	26.5	62.63	50-55	50
ElongationatBreak	断裂伸长率	%	20.86	65.29	4.43	40-50	45
FlexuralStrength	弯曲强度	Mpa	45.44	32.94	65.02	85-90	85-90
FlexuralModulus	弯曲模量	Mpa	1948.45	2279.9	2504.4	2000-2400	2400
Impact Strength	缺口冲击强度	kJ/m ²	22.11	10.89	4.28	354	354
Accuracy	精度	---	3 mm: 2.9 - 3.0 mm / 1.75 mm: 1.7 - 1.8 mm				
Color	颜色	---	glow-in-dark ,black, white, natrual, blue, red, yellow, green, orange, pink, yasmine green, gold, silver, grey, sky blue, purple				