



## Data Sheet of eSUN 3D Filament

Item	Unit	ABS	HIPS	PLA	PVA	PETG	Nylon	Color Change	Flexible
Density	kg/m <sup>3</sup>	1.01	1.02-1.06	1.20-1.25	---	1.23	1.15	1.23	1.1
Melt Point	°C	220-260	220-260	190-220	180-200	230-250	220-260	190-220	190-220
Melt Flow Index	g /10 min	1.43	6.68	7.8	16.28	20	3	7.7	3.11
Tensile Yield Strength	Mpa	40.96	26.5	62.63	---	49	50-55	62	13.85
ElongationatBreak	%	20.86	65.29	4.43	---	228	40-50	4.43	319.57
FlexuralStrength	Mpa	45.44	32.94	65.02	---	68	85-90	65	/
FlexuralModulus	Mpa	1948.45	2279.9	2504.4	---	2072	2000-2400	2505	/
Impact Strength	kJ/m <sup>2</sup>	22.11	10.89	4.28	---	7.5	354	4.28	/
Accuracy	3 mm: 2.9 - 3.0 mm / 1.75 mm: 1.7 - 1.8 mm								

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