

MATERIALS & FINISHES



Key Properties	SLS				MJF		SLA		SLM - METALS				
	SinterWorx G4	SinterWorx C6	PA11	PP	PA12	TPU (90A)	PerFORM (*with thermal post cure)	WaterShed	Aluminium AISI10Mg	Inconel 718	Stainless Steel 316L	Titanium Ti64	Tool Steel
Density (g/cm ³)	1.10	1.10	1.05	0.90	1.01	1.10	1.61	1.12	2.67	8.15	7.90	4.41	8.05
Strength (MPa)	58	76	48	25	48	7	68 (*80)	50	70000	200000	185000	115000	201000
Stiffness (MPa)	4240	7100	1517	1000	1700	75	10500 (*9800)	2770	460	1375	640	1070	2107
Elongation at Break	6%	4%	47%	30%	15%	120%	1.1% (*1.2%)	15%	11%	12%	40%	14%	4%
Resolution (microns)	100	100	100	100	80	80	100	100	230	1145	530	1010	2023
Temperature Resistance (°C)	175	175	188	120	175	115	132 (*268)	45	173	6.5	16	6.7	14
Finishes													
Vapor Smoothed (Sealed)	✓	✓	✓		✓	✓							
Hand Sealing	✓	✓											
Sanded	✓	✓					✓	✓					
Painted	✓	✓	✓		✓		✓	✓					
RF Shielding	✓	✓	✓		✓		✓	✓					
Plating							✓	✓					
Clear Lacquered								✓					
Clear Polishes								✓					
									CNC Machined				
									✓	✓	✓	✓	✓
									Cosmetic (Sand Blasted)				
									✓	✓	✓	✓	✓

We offer additional materials to solve your complex design challenges. Speak to us about your project requirements or to request a sample of any of our available materials and finishing combinations.

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