



**GRAPHITE**  
ADDITIVE MANUFACTURING

# MATERIALS & FINISHES

Key Properties	SLS			MJF			SLA		SLM - METALS					
	SinterWorx G4	SinterWorx C6	PP	PA12	PA11	TPU	PerFORM	WaterShed	Aluminium AlSi10Mg	Inconel 178	Stainless Steel 16 W/(m.K)	Titanium Ti6Al4V	Tool Steel 1.2709	
Density									2.7	9.2	7.85	4.5	8.1	
Strength	+++	++++	++	++	++	+			75000	200000	83000	110000	200000	
Stiffness	++	+++	+	+	+	---	++++	++	310	1250	510	1005	1650	
Toughness	+++	+++	++++	+++	++++	+++	-	+	2	8	2.2	5	2-3	
Resolution	+	+	+	++	+	+	+++	+++	170	1000	485	900	1550	
Temperature Resistance	+++	+++	++	+++	+++	++	+++	+	120	12	16	7	20	
<b>Finishes</b>														
Vapor Smoothed (100% sealed)	✓	✓		✓	✓	✓								
Hand Sealing	✓	✓												
Sanded	✓	✓					✓	✓						
Sanded Deluxe	✓	✓												
Painting	✓	✓		✓	✓		✓	✓						
RF Shielding	✓	✓	✓	✓	✓	✓	✓	✓						
Electroplating							✓							
<b>Finishes</b>														
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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