

SLS Materials //

Ideal for Prototypes, Low-Volume, Short-Run Production

Suggested Minimum Wall Thickness // 1mm

Maximum Dimensions // 320mm x 320mm x 610mm

MATERIAL	LEAD TIME	FINISH & APPEARANCE	ADVANTAGES & CONSIDERATIONS
TPU 88A	2+ Days	Standard Color: White Medium/High Resolution High Detail & Complexity Dye Available (Black, Red, Blue, Green, Orange, Yellow and Pink)	<ul style="list-style-type: none"> • High Elasticity, Rebound & Resistance to Fatigue • Water-Tight Down to 0.6mm Wall Thickness • High Burst Pressure • Excellent Flexibility & Durability
Nylon PA12 (White)	2+ Days	Standard Color: White Medium/High Resolution High Detail & Complexity Dye Available (Black, Red, Blue, Green, Orange, Yellow and Pink)	<ul style="list-style-type: none"> • Nearly Isotropic • Parts Built Without Supports, Allowing for Complex Geometries • Durable Production-Grade Thermoplastic
PA 12 Glass Bead	3+ Days	Standard Color: Off White Medium/High Resolution High Detail & Complexity Dye Available** (Black, Red, Blue, Green, Orange, Yellow and Pink)	<ul style="list-style-type: none"> • High Rigidity • Resistant To Wear & Tear • Thermally Resilient
PA 11	3+ Days	Standard Color: White Medium/High Resolution High Detail & Complexity Dye Available (Black, Red, Blue, Green, Orange, Yellow and Pink)	<ul style="list-style-type: none"> • High Impact Resistance & Elongation At Break • Higher Temperature Resistance Than PA 12 • Does Not Splinter Under Load
PA 11 Fire Retardant	4+ Days	Standard Color: White	<ul style="list-style-type: none"> • High Ductility Combined With Strength • Flame-Retardant Properties Similar To ULTEM Filament
Carbon-Filled Nylon 11	4+ Days	Standard Color: Dark Grey	<ul style="list-style-type: none"> • High Strength Combined with Increased Impact Resistance & Elongation At Break • Electrostatically Dissipative

**Filled Nylons Can Have Inconsistent Color When Dyed