

Material	Description	Prototypes		Stiffness	Color	
		Functional	Aesthetic			
SLM/DMLS	<b>Aluminium AlSi10Mg</b>	Definitive aluminum, very workable and extremely resistant. Very low specific weight (light). AlSi7Mg is an alloy for aerospace applications.				
	<b>Aluminium AlSi7Mg 0.6 (A357)</b>					
	<b>Aluminium AlSi12</b>					
	<b>Cobalt Chrome</b>	Material with high mechanical and thermal resistance, ideal for models with thin walls and subjected to high temperatures.				
	<b>Remanium® Star CL</b>	Cobalt Chrome for dental applications.				
	<b>Stainless Steel AISI 316L</b>	It's an austenitic stainless steel for the production of functional parts or components for pre-production moulds.				
	<b>Stainless Steel AISI 310</b>	Stainless Steel AISI 310 is austenitic, non-hardenable and heat-resistant; it is mainly used at high temperature.				
	<b>Stainless Steel 17-4ph</b>	It's a precipitation hardening stainless steel for the production of functional parts or medical instruments.				
	<b>Maraging Steel 1.2709</b>	Material for the production of components for tool inserts with conformal cooling and production of functional components.				
	<b>Titanium Ti6Al4V ELI</b>	Titanium grade 23, ideal for use in automotive, medical and jewelry applications according to ASTM F136-02a.				
	<b>Titanium grade 2</b>	Used in the manufacture of implants for the medical industry and in lightweight components for the aerospace industry according to ASTM B348.				
	<b>Inconel 718</b>	Nickel based alloy for the production of components for high temperatures applications.				
<b>Inconel 625</b>						
<b>Bronze</b>	It's a material whose melting properties make it outstandingly suited to generative processing.					
FDM	<b>ABS M30</b>	Standard ABS created with FDM systems; Properties are identical to ABS injection molded.	✓		Rigid	Ivory, Dark Gray, White, Black, Red, Blue
	<b>ABS-ESD7</b>	ABS thermoplastic with static dissipative properties: prevents static charges from damaging products, or impair their performance.	✓		Rigid	Black
	<b>ABSi</b>	Components made from Translucent Absi are penetrable by light. Monitoring of inside fluid movement is allowed.	✓		Rigid	Translucent Natural-Amber-Red
	<b>NYLON 12</b>	Nylon 12 has an elongation at break greater than 100-300%. It has high impact resistance and excellent chemical resistance.	✓		Rigid	Black
	<b>PC-ABS</b>	ABS and polycarbonate. Material that combines mechanical and thermal properties of the PC and the flexibility of ABS.	✓		Rigid	Black
	<b>PC-ISO</b>	Polycarbonate ISO is an ideal material for the food, packaging and medical (certified for medical use) industry.	✓		Rigid	Translucent Natural, White
	<b>PC</b>	Polycarbonate. Material with high mechanical resistance, it is suitable for the creation of very strong and definitive models.	✓		Rigid	White
	<b>PPSF</b>	Polyphenylsulfone. Material highly resistant to heat, it can be used in autoclave and it can be sterilized with various methods.	✓		Rigid	Tan
	<b>ULTEM® 9085</b>	Thermoplastic resin with high mechanical and thermal properties. Ideal for parts subject to high stress. Flame retardant.	✓		Rigid	Tan, Black
	<b>ULTEM® 1010</b>	Offering excellent strength and thermal stability with food contact and bio-compatibility certifications; it's ideal for food production tools, custom medical devices, aerospace and automotive applications.	✓		Rigid	Tan
<b>ASA</b>	It's similar to ABS M30, but is UV resistant. It's ideal for end use parts.	✓		Rigid	Ivory,Black,Light Gray, Dark Gray,White,Dark Blue, Green,Yellow,Orange,Red	
POLYJET	<b>ABS-Like</b>	Pigmented photopolymer particularly suitable for functional models (excellent stability), not suitable for walls <0.8 mm.	✓		Rigid	Light Green
	<b>Durus White</b>	Translucent and semi-rigid photopolymer, ideal for simulating polypropylene (PP) models and snap applications.		✓	Semi-Rigid	Opal White
	<b>Full Cure 720</b>	Translucent photopolymer with high accuracy and excellent surface smoothness (certified for medical use).		✓	Rigid	Translucent Amber
	<b>Helios RGD 525 HT</b>	Very rigid pigmented photopolymer, suitable for applications where thermal stability and extreme detail are required.	✓	✓	Rigid	Ivory
	<b>RIGUR (Endur) RGD 450</b>	It's an advanced Simulated Polypropylene material that offers durability high performance and can produce impressive, dimensionally stable and beautiful surface finished prototypes.	✓	✓	Semi-Rigid	White
	<b>Tango Black</b>	Elastic photopolymer with 60 Shore A hardness (other hardnesses available).		✓	Elastic	Black
	<b>Tango Black Plus</b>	Elastic photopolymers with 27 Shore A hardness (other hardness available).		✓	Elastic	Black
<b>Tango Gray</b>	Elastic photopolymer having 70 Shore A hardness (other hardnesses available).		✓	Elastic	Light Gray	

Suitable materials for definitive parts.

All functional tests can be performed on prototype parts as they were the final product. Suitable for finishes and surface treatments. Ideal for rapid manufacturing products.

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<b>POLYJET</b>	<b>Tango Plus</b>	Elastic photopolymers having 27 Shore A hardness (other hardnesses available).		✓	Elastic	Translucent Amber
	<b>Vero Black Plus</b>	Black pigmented photopolymer good for unpainted parts; can be finished with soft-touch effect.		✓	Rigid	Black
	<b>Vero Blue</b>	Rigid pigmented photopolymer ideal for fine details and dental models.		✓	Rigid	Light Blue
	<b>Vero Clear</b>	Transparent photopolymer, ideal for simulating PMMA, PC models or transparent methacrylate.		✓	Rigid	Transparent, Opal
	<b>Vero Gray</b>	Rigid pigmented photopolymer ideal for highly detailed models even with thin walls, excellent surface finish.		✓	Rigid	Light Gray
	<b>Vero White Plus</b>	Rigid pigmented photopolymer, slightly flexible and suitable for creating expendable masters for lost-wax casting.		✓	Semi-Rigid	White
<b>SLA</b>	<b>Accura® 25</b>	Flexible plastic to simulate and replace CNC machined white polypropylene articles.	✓		Semi-Rigid	White
	<b>Accura® Bluestone™</b>	Composite material for manufacturing stable, high stiffness parts.	✓		Rigid	Blue
	<b>Accura® ClearVue™</b>	High clarity plastic (transparent) for a multitude of applications.		✓	Rigid	Transparent
	<b>Accura® Xtreme™</b>	Ultra tough grey plastic to replace CNC-machined polypropylene and ABS articles.		✓	Rigid	Gray
<b>SLS</b>	<b>Allusinter</b>	Nylon reinforced with aluminum. Structural material, rigid and with high mechanical strength. Excellent reproduction of details.	✓	✓	Rigid	Light Gray
	<b>Flex Sinter-Infiltrated</b>	Very tough elastomer, available in various colors; aesthetic quality lower than that of polyjet rubber.	✓		Elastic	Ivory, Yellow, Black, Red, Blue
	<b>WhiteSinter</b>	Standard white nylon (PA12) with good characteristics of flexibility and elasticity.		✓	Semi-Rigid	White
	<b>Windform® XT2.0</b>	Nylon reinforced with carbon. Very stiff structural material with high mechanical and thermal properties. Light aesthetic resolution and surface quality; ideal for definitive models.	✓	✓	Rigid	Black
	<b>Windform® LX2.0</b>	It's a new polyamide based material reinforced with new generation Glass fibre system. The properties of Windform® LX 2.0 make it particularly suited for functional applications and finished complex parts.	✓	✓	Rigid	Black
	<b>Windform® SP</b>	It's a composite polyamide based carbon filled material characterised by deep black colour. Windform® SP has excellent mechanical properties similar to Windform® XT 2.0. In addition it has the added advantage of increased resistance to shocks, vibrations and deformations.	✓	✓	Rigid	Black