



One Stop Service Station For Manufacturing Services: 3D Printing | CNC Machining | Injection Molding | Vacuum Casting | Sheet Metal Fabrication | Die Casting. Make excellent parts with IN3DTEC.

Test Standard: ISO6892-1

Material Name	Density	Properties	Surface Finishes	Cost	Yield Strength(Mpa)	Tensile Strength (Mpa)	Hardness	Elongation After Fracture (%)
Aluminium6061	2.75g/cm <sup>3</sup>	High Strength, Functional	Anodizing, Polish, Sandblasted,Deburring, Glass bead blasted, Painting	\$\$	305	460	140±20 HV5/15	5
Aluminum(AISi10Mg)	2.75g/cm <sup>3</sup>	High Strength, Functional	Polish, Sandblasted, Deburring,Glass bead blasted, Painting	\$	300	450	140±20 HV5/15	4
316L Stainless Steel	7.95g/cm <sup>3</sup>	High Strength, Functional	Polish, Sandblasted, Deburring,Glass bead blasted, Painting	\$	550	600	215±10 HV5/15	34
Maraging Steel	8.0g/cm <sup>3</sup>	High Strength, High Heat Resistance, Industrial	Polish, Sandblasted, Deburring,Glass bead blasted, Painting	\$\$	1150	1250	35±3HRC	14
Titanium	4.5g/cm <sup>3</sup>	Strong, Light weight, Medical	Polish, Sandblasted, Deburring,Glass bead blasted, Painting	\$\$\$	1000	1050	360±30 HV5/15	10
Inconel 718	8.15g/cm <sup>3</sup>	High Temperature resistance	Polish, Sandblasted, Deburring,Glass bead blasted, Painting	\$\$\$	1050	1170	300±20 HV5/15	8
Cobalt-chrome(Co_Cr)	8.4g/cm <sup>3</sup>	Good Corrosion, wear resistance	Sandblasted	\$\$	1040	1340	n/a	11
17-4PH Steel	7.95g/cm <sup>3</sup>	High Strength, corrosion resistance	Polish, Sandblasted, Deburring,Glass bead blasted, Painting	\$\$	1235	1340	35±3HRC	13
Copper	8.8g/cm <sup>3</sup>	High electrical & thermal conductivity.	As printed	\$\$	270	400	n/a	8



Many factors may affect the performance characteristics of products. We recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. We makes no warranties of any type, express or implied, including but not limited to, the warranties of merchantability or fitness for a particular use. This also applies regarding the consideration of possible intellectual property rights as well as laws and regulations. We reserves the right to change the technical data without notice.