METAL 3D PRINTING MATERIAL

DMLM/DMLS - 3D Printing – Additive Manufacturing

DMLM/DMLS 3D Printing: Titanium Ti-64, have a chemical composition and mechanical properties corresponding to ASTM F136. Known light alloy, offering excellent mechanical properties and corrosion resistance combined with low specific weight and biocompatibility.

Technology:	DMLM/DMLS
Material type:	Powder Bed Fusion-Laser Welding – Titanium Ti-64
(Rp 0.2 %) Yield Strength (AS BUILT): **Heat Treated:**	1100 ± 50 MPa (950 ± 30 MPa)
Elongation at Break (AS BUILT): **Heat Treated:**	8 ± 3% (Min. 6%)
Young's Modulus (AS BUILT): **Heat Treated:**	110 ± 15 GPa (115 ± 20 GPa)
Hardness (AS BUILT): **Heat Treated:**	34 HRC (34 HRC)
Tensile Strength (AS BUILT): **Heat Treated:**	1200 ± 40 MPa (1050 ± 30 MPa)
Applications:	Aerospace, motorsport racing, rapid prototyping R&D, high performance engineering applications.

Disclaimer: The data above is general information and may vary from machine to machine or supplier to supplier. All tolerance specifications reflect the approximate range of a process's capabilities and should be viewed only as a guide. These dimensional tolerances, buyer assumes sole responsibility for the design, and must test and verify the material of the product for each specific application applies to their internal requirements.