

TITANIO Ti6Al4V

APPLICATIONS: Biomedical implants, structural and engine components for aerospace and motor racing applications. Direct manufacturing of functional prototypes, small series, custom made products and spare parts.

CHEMICAL COMPOSITION: Al (5.5-6.75 wt-%) V (3.5-4.5 wt-%) O (0.20 max wt-%) Fe (0.3 max wt-%) C (0.08 max wt-%) H (0.015 max wt-%) N (0.05 max wt-%) Ti (balance)

DENSITY: 99.8%

	ASTM F2924 Additive Mfg	DMLS-SLM (Stress Relief)	DMLS-SLM (HIP and HT)
<u>MECHANICAL PROPERTIES:</u>			
0.02% Yield (MPa)	825 min	1087	897
Ultimate Tensile (MPa)	889 min	1170	1003
Elongation (%)	10 min	11	11
Hardness (HRC)		30	32