

Material Type			
Titan Grade 5	TiAl6V4	UNS R56400	3.7165

**Characteristics**  
 WAAM titanium solid wire designed for 3Dprinting of grade 5 structures. Post print heat treatment possible to reach higher strength or toughness.

**Typical analysis of the solid wire (wt.-%)**

	C	Fe	O	H	Al	V	Ti	N
wt.-%	<0.05	<0.15	0.18	<0.01	6.0	4.0	Bal.	<0.03

**Available products**  
 Diameter: 1,0 mm – 1,2 mm  
 Package: S300  
 Other diameters and packages on request.

**Typical mechanical properties acc.to EN ISO 15792-1**

Heat treatment	Yield strength R <sub>p0.2</sub>	Tensile strength R <sub>m</sub>	Elongation (L <sub>0</sub> =5d <sub>0</sub> )
	MPa	MPa	%
u	840	900	10
u untreated, shielding gas 100 % Ar			

Classification as welding consumable:

EN ISO 24034	AWS A5.16	AMS
S Ti 6402 (TiAl6V4B)	ERTi-5	4954