

m4p Ti64 grade5

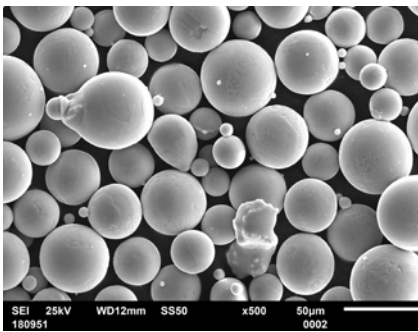
Metal powder for laser-based powder bed fusion

Description, properties and application

m4p™ Ti64 grade5 is a Ti6Al4V alloy, which is suitable for additive manufacturing of industrial components using the laser-based powder bed fusion process. The material has an excellent strength-to-weight ratio and, compared to other light metal alloys, a higher fracture toughness. In combination with its high corrosion resistance **m4p™ Ti64 grade5** is predestined for demanding applications.

The resulting applications range across industries from racing to aerospace. A uniform microstructure can be achieved by a downstream heat treatment, which relieves internal stresses caused by the process and increases the ductility of the material.

Powder characteristics



Chemical analysis [wt%]

Element	Min	Max
Al	5,50	6,75
V	3,50	4,50
Fe	<0,30	
O	<0,20	
Ti	Balance	

other limited elements: N, C, H

Particle size Laser PBF

GERMANY

m4p material solutions GmbH · Germany
Mittelweg 13, 39130 Magdeburg
T +49 391 72149-40
E sales@metals4printing.com

AUSTRIA / INTERNATIONAL

m4p material solutions GmbH · Austria
Gewerbestraße 4, 9181 Feistritz i. R.
T +43 4228 93053-0
E sales@metals4printing.com

www.metals4printing.com