

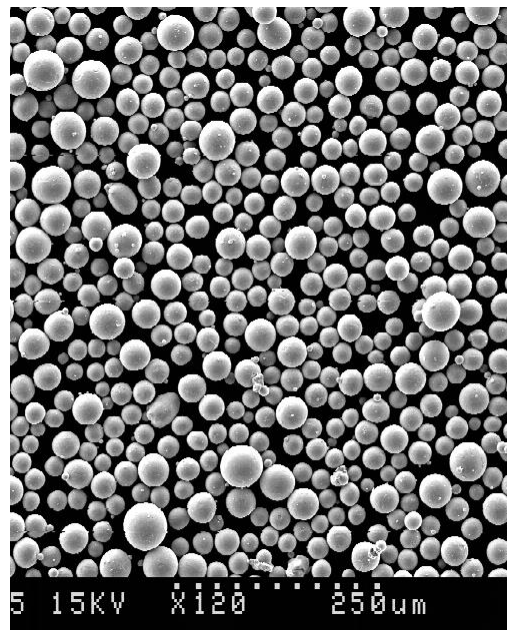
TEKMAT™ Ti64-53/20-G23

Spherical Ti64 Powder

- ▶ Product # 43526
- ▶ Data Sheet # 43526-21-1
- ▶ General Size: - 53 + 20 μm
- ▶ Composition : Ti-6%Al-4%V
- ▶ Meets Ti64 Grade 23 & more¹

TEKMAT™ Ti64-53/20-G23 :

- Plasma atomized powder
- High purity material
- Excellent flowing properties
- High packing density



Technical Specifications

▶ Particle Size Distribution

- Sieve Analysis (ASTM B214) - wt%

<u>Size (μm)</u>	<u>Min</u>	<u>Max</u>
+75	---	0.0
+63	---	1.0
+53	---	5.0

- Laser Scattering (ASTM B822) – vol.%

	<u>Min</u>	<u>Max</u>
-20 μm		5 vol.%
D10	FIO	
D50	FIO	
D90	FIO	

▶ Density & Flow

Tap Density:	$\geq 2.7 \text{ g/cm}^3$
Apparent Density:	$\geq 2.30 \text{ g/cm}^3$
Carney Flow:	FIO

▶ Chemical Composition

Titanium:	Balance
Aluminum:	6.00 – 6.50%
Vanadium:	3.50 – 4.50%
Iron:	$\leq 0.25\%$
Oxygen:	$\leq 0.13\%$
Nitrogen:	$\leq 0.03\%$
Hydrogen:	$\leq 0.012\%$
Carbon:	$\leq 0.08\%$
Yttrium:	$\leq 0.005\%$
Others, each:	$\leq 0.10\%$
Others, total :	$\leq 0.40\%$

¹Chemical composition compliant to Ti64

Grade 23 and ELI:

ASTM B348-13 Grade 23, F136-13, F1472-14, F1580-12, F3001-14.

