

AIMTEK TITANIUM BRAZE ALLOY TIB5

Nominal Composition:	Ti – 40% Ni – 20% Cu – 20% Zr – 20%
Melting Temperature:	Solidus (Flow point): 1553°F (845°C) Liquidus (Melt point): 1585°F (863°C)
Industry Specifications:	AWS A5.8 BTi-5 EMS94900
Brazing Temperature (in vacuum at 5.5 x 10⁻⁵ torr or better):	Titanium: 1634 to 1652°F (890 to 900°C) Time at Brazing Temperature: 10 min Non-Metallics: 1760 to 1770°F (960 to 970°C) Time at Brazing Temperature: 40 min
Common Applications:	Titanium, Ceramics, Graphite, Carbon Composites; Heat exchangers, medical devices and implants, honeycomb panels, fuel cells, compressor rotors, electronic devices, cooling systems or diverters
Forms Available:	Powder, Paste, Foil, Preforms

