

AIMTEK TITANIUM BRAZE ALLOY TI590

Nominal Composition:	Ti – 17.5% Ni – 21.5% Zr – 60.25% Hf – 0.75%
Melting Temperature:	Solidus (Flow point): 1464°F (796°C) Liquidus (Melt point): 1495°F (813°C)
Industry Specifications:	None
Brazing Temperature (in vacuum at 5.5 x 10⁻⁵ torr or better):	Titanium: 1562 to 1598°F (850 to 870°C) Time at Brazing Temperature: 10-12 min Non-Metallics: 1634 to 1652°F (890 to 900°C) Time at Brazing Temperature: 20-30 min
Common Applications:	Titanium, Ceramics, Graphite, Carbon Composites
Forms Available:	Foil, Preforms

