

Titanium Alloy T-40Ti-Active

Description

Aufhauser **Titanium Alloy T-40Ti-Active** provides good wetting on titanium, titanium alloys, and super alloys. It is used in a high vacuum or dry argon atmosphere. Due to its high titanium content this alloy exhibits better corrosion resistance.

Application

Brazing of thermal transfer products (fin-plate and tube bundle heat exchangers).

Chemical Composition

Element	wt. %
Ti	Reminder
Zr	19 - 21
Ni	19 - 21
Cu	19 - 21
Mo	0.1 max
Hf	0.1 max
Fe	0.08 max
Al	0.05 max
O	0.20 max
N	0.03 max
C	0.04 max

Physical Properties

Liquidus temperature	856°C (1573°F)
Solidus temperature	848°C (1558°F)
Brazing temperature range	857- 900°C (1600- 1650°F)
Density	6.09 g/cm ³ (3.21 toz/in ³)

Specification

AWS A5.8 BTi-5

Available forms

Powder, paste