

AUFHAUSER NiPalCr-36 alloy designed for vacuum brazing and TIG welding.

APPLICATIONS

Automotive components, aerospace fuel-line assemblies, aero engine compressor vanes and stator, power supply surge arrestors.

NOMINAL COMPOSITION, wt.%

Ni	Pd	Cr	B	Si
50	36	10.5	3	0.5

Zn	Cd	Pb	P	C	Other volatile elements each*	Total non-volatile elements**
<0.001	<0.001	<0.002	<0.002	<0.010	<0.002	<0.075

*) All other metallic impurities having a vapor pressure higher than 10^{-7} torr at 500°C are limited to 0.002 wt.% each.

**) Impurities having a vapor pressure lower than 10^{-7} torr at 500°C are limited to a total of 0.075 wt.%. This applies to all forms except powder and extrudable paste.

PHYSICAL PROPERTIES

Solidus	1508°F (820°C)
Liquidus	1760°F (960°C)
Recommended brazing range	1780 - 1920°F (970 - 1050°C)
Recommended brazing atmosphere	Vacuum 10^{-5} torr
Density	8.83 g/cm ³ (0.319 lb/in ³)

SPECIFICATIONS

Pratt & Whitney CWP475

AVAILABLE FORMS

Foil, tape
Powder, paste