



Vitta-Braze 1782

Classification		Nickel Based Alloy	Issued July 2019 Revision 1.0		
AMS: 4782	AWS: BNi-5	MSRR: 9500/116	General Electric: B50TF81	Pratt & Whitney:	Snecma DMR35: -322
Cross Reference / Conformance		Allied Signal EMS 54752: Type V Wall Colmonoy Alloy (Microbraze) 30	Praxair Alloy: Ni-430	Metco (Amdry): 100	
Recommended Brazing Atmospheres		Vacuum Hydrogen	Inert Gases Dissociated Ammonia		
Applications		Boron-free corrosion and oxidation resistant filler metal. Flows extremely well and has low base metal erosion. Used for joining corrosion and heat resistant alloys.			
Melting Range		Solidus: 1080C	Liquidus: 1135C	Brazing Range: 1150-1204C	
Nominal Composition		Si – 10.0	Cr – 19.0		Ni - Balance
Forms of Supply		Powder, Tape, Rope, Paste, Preforms, Foil			
Mesh		Powder supplied to -140 as standard, please state if coarse (-140C) is required for pepper potting. Other mesh sizes available upon request.			
Braze Alloy Colour Code		Product labels are marked with the colour along the edge of the label		RED and YELLOW	
Storage Recommendations		<ul style="list-style-type: none"> • Powder should be stored in the original closed container in a dry location. If stored for a duration of time tumble contents prior to use to prevent segregation. • Paste should be stored tip down in the original packaging. • Tapes, ropes and foils should be stored in their sealed bags to minimise drying. 			
Safety Recommendation		Please refer to the specific MSDS (Material Safety Data Sheet) – available from Vitta			
Disclaimer		All information provided on our products is based upon our experience and extensive testing and research. Information on these technical data sheets is provided in good faith but does not exempt the user from the requirement to check the data held herein. It is the responsibility of the customer to ensure that the product is suitable for the intended use particularly if the application or process has not been specifically approved by us in writing. Vitta cannot be held liable for any errors or omissions published. Vitta always recommend your internal quality team must approve any proposed usage.			