

<p style="text-align: center;">VBC Alloy 4310 MBF 60/Nicrobraz 10</p>					
Designation	MBF 60/Nicrobraz 10		Issued: February 2015 Revision: 02	MSRR: 9500/707 9500/727	AWS: BNi-6
Cross Reference/ Conformance Specifications	BS EN 1044 Ni106 AWS A5.8 BNi-6 MSRR 9500/707 MSRR 9500/727		BS EN ISO 17672:2010 NI 700 UNS Number N99700 ISO 3677 B-Ni89P-875 JIS BNi-6		
Description	Nickel Phosphorous braze alloy with a low melting point				
Temperatures	Eutectic Alloy with single melting point at 875 °C			Brazing Range: 925 - 1095°C Recommended: 950-980°C for 15-30 minutes	
	Solidus: 883°C Liquidus: 921°C – according to Dr Peter Fell				
Materials To Be Brazed, Applications and Advice	<p>Superalloys and stainless steels. High Strength and good corrosion resistance. Possible though not recommended for ferrous alloys due to poor mechanical strength and thermal shock resistance. Aircraft compressors and spark plugs (induction brazing), heat exchangers. Suitable where low temperature brazing is required. Very fluid, insensitive to poor quality atmospheres Low base metal penetration – ideal for thin sections</p>				
Chemical Composition WT%	Carbon – 0.06% max		Cobalt – 0.05% max		
	Phosphorous – 10.0-12.0%		Selenium – 0.005% max		
	Silicon – 0.2% max		Other Elements Total – 0.50% max		
	Aluminium – 0.05% max		Nickel - Balance		
	Titanium – 0.05% max				
	Zirconium – 0.05% max				
Physical Properties	Density		8.14 g/cm ³ (Mg/m ³)		
Forms of Supply	Powder Paste Tape Straight Length				
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