

VITROBRAZE®

VZ2120

Specifications

DIN EN ISO 17672	AWS A5.8	AMS	MSRR 9500
Ni 620	BNi-2	4777	-97

Nominal composition (wt.%)

Ni	Fe	Cr	Si	B	C	P	Co	Al	S	Ti	Zr	Se
Balance (82.4)	3.0	7.0	4.5	3.1	≤0.06	≤0.02	≤0.1	≤0.05	≤0.02	≤0.05	≤0.05	≤0.005

Physical properties

Property	Unit	Value	Available foil geometry
Density (amorphous)	g/cm ³ (lb/in ³)	7.82 (0.283)	
Solidus temperature	°C (°F)	970 (1780)	
Liquidus temperature	°C (°F)	1025 (1875)	
Recommended brazing temperature	°C (°F)	1030 – 1180 (1885 – 2155)	

Technological properties

Brazing conditions	The brazing process has to be carried out in a vacuum or protective atmosphere like argon or pure dry hydrogen.
Corrosion resistance	Good
Field of application	Joining of steel and stainless steel, nickel and cobalt alloys and some special metals and their alloys. Joining of copper and copper alloys or copper to steel.

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