

VITROBRAZE®

VZ2190

Specifications

DIN EN ISO 17672	AWS A5.8	AMS	MSRR 9500
Ni 612	BNi-9	–	-719

Nominal composition (wt.%)

Ni	Fe	Cr	B	C	P	Al	S	Ti	Zr	Se
Balance (81.3)	≤1.5	15	3.7	≤0.06	≤0.02	≤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)	7.96 (0.288)	
Solidus temperature	°C (°F)	1055 (1930)	
Liquidus temperature	°C (°F)	1070 (1960)	
Recommended brazing temperature	°C (°F)	1090 – 1200 (1995 – 2190)	

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	Very good
Field of application	Joining of superalloys, nickel and cobalt alloys and some special metals and their alloys.

VACUUMSCHMELZE GMBH & CO. KG

Grüner Weg 37
D 63450 Hanau / Germany
Phone +49 6181 380
Fax +49 6181 382645
info@vacuumschmelze.com
www.vacuumschmelze.com

VACUUMSCHMELZE SINGAPORE PTE LTD

60, Paya Lebar Road
Paya Lebar Square
#06-16
Singapore 409051
Phone +65 6585 1243
VACSingapore@vacuumschmelze.com

VAC MAGNETICS LLC

2935 Dolphin Drive
Suite 103
Elizabethtown, KY 42701
Phone +1 270 769 1333
Fax +1 270 769 3118
info-usa@vacmagnetics.com

VACUUMSCHMELZE CHINA MAGNETICS

Shanghai Sales Office
Room 06, 19F
Zhongrong Hengrui International Plaza
620 Zhangyang Road, Pudong District
Shanghai, PRC 200122
Phone +86 21 5831 9837
Fax +86 21 5831 9937
vac_china@vacuumschmelze.com

EDITION 01/2019

Published by VACUUMSCHMELZE GmbH & Co. KG, Hanau
© VACUUMSCHMELZE GmbH & Co. KG 2019. All rights reserved.

® is a registered Trademark of VACUUMSCHMELZE GmbH & Co. KG



ADVANCED MATERIALS – THE KEY TO PROGRESS