VITROBRAZE®
VZ2170

Specifications

DIN EN ISO 17672	AWS A5.8	AMS	MSRR 9500
–	–	–	-733

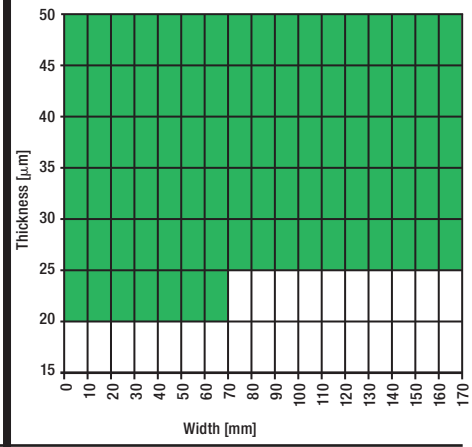
Nominal composition (wt.%)

Ni	Cr	Si	B	P	C	Co	Fe
Balance (70)	21	0.5	0.5	8	≤0.1	≤1	≤1

Physical properties

Property	Unit	Value
Density (amorphous)	g/cm³ (lb/in³)	7.70 (0.278)
Solidus temperature	°C (°F)	880 (1610)
Liquidus temperature	°C (°F)	925 (1695)
Recommended brazing temperature	°C (°F)	1030 – 1080 (1880 – 1980)

Available foil geometry



Technological properties

Brazing conditions The brazing process has to be carried out in a vacuum or protective atmosphere like argon, nitrogen or dry hydrogen.

Corrosion resistance Very good

Field of application Joining of carbon and stainless steel, nickel and cobalt alloys and some special metals and their alloys. Joining of copper and copper alloys or copper to steel.

® Registered Trademark of VACUUMSCHMELZE GmbH & Co. KG

Edition 02/2022

VACUUMSCHMELZE GMBH & CO. KG
Grüner Weg 37
D 63450 Hanau / Germany
Phone +49 6181 38 0
Fax +49 6181 38 2645
info@vacuumschmelze.com
www.vacuumschmelze.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 58 31 98 37
Fax +86 21 58 31 99 37
vac_china@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

Published by VACUUMSCHMELZE GmbH & Co. KG, Hanau, May 2022
© VACUUMSCHMELZE GmbH & Co. KG 2019. All rights reserved.

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

VACUUMSCHMELZE®

ADVANCED MAGNETIC SOLUTIONS