VITROBRAZE®
VZ2255

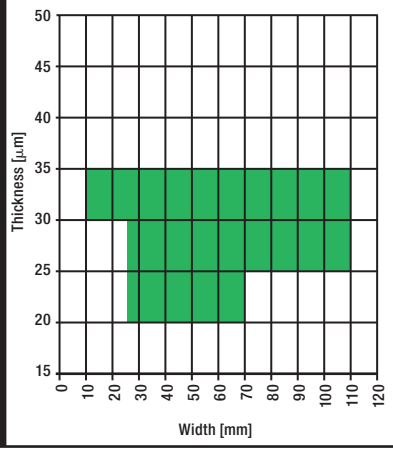
Nominal composition (wt.%)

Cu	Ni	Sn	P	Zn	O	Others
Balance (76.2)	7	9.3	6.5	1.0	≤0.05	≤1.0

Physical properties

Property	Unit	Value
Density (amorphous)	g/cm³ (lb/in³)	8.25 (0.297)
Solidus temperature	°C (°F)	600 (1110)
Liquidus temperature	°C (°F)	630 (1160)
Recommended brazing temperature	°C (°F)	640 – 680 (1180 – 1260)

Available foil geometry



Technological properties

Brazing conditions

The brazing process has to be carried out in a furnace with a protective atmosphere using pure nitrogen with an oxygen level of below 20 ppm. A brazing temperature of about 650 °C is recommended. The time above 600 °C should be as short as possible to avoid an excessive alloying of the base material.

Field of application

Brazing of copper-based heat exchangers with the CuproBraze® process

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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

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ADVANCED MAGNETIC SOLUTIONS