

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	Available foil geometry
Density (amorphous)	g/cm ³ (lb/in ³)	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)	

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 CuproBraz® process

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