FONTARGEN A 2115/8 M

Copper-aluminium wire electrode for MIG-brazing

ISO 24373:	S Cu 6100 (CuAl7)
AWS A 5.7:	ERCuAl-A1
Material number:	2.0921

Composition, typical analysis (% w/w)**:**

Al	Mn	Si	Zn	Cu
8	0.5	0.1	0,2	Rest

Characteristics / Applications:

MIG-brazing of aluminium plated and uncoated steel plates. Applications: Auto body, magnetic solenoids, air conditioning and container building. The corrosion resistance galvanized steel plates remain unaffected. Little deformation of thin steel sheets.

Suitable for joining of aluminium-bronze, high-strength brass and steel. Range of applications: Car body, ship building, heating and cooling as well as container building.

Mechanical properties of pure brazing deposit (Min. values at room temperature):

Melting range:	1030 - 1040 °C
Tensile strength:	380 - 450 N/mm²
Elongation (l=5d):	45 %
Thermal elongation:	17 • 10^{-6}/K
Hardness (Brinell):	60 - 80 HB
Electrical conductivity:	8 Sm/mm²
Heat conductivity:	35 W/m • K
Specific gravity:	7.7 g/cm³
Brazing process:	MIG-brazing
Shielding gas (DIN EN 439):	I 1 (Argon)
Current mode:	DC (+pole)
Availability:	Diameter (mm): 0.8/1.0/1.2
Spool type:	B300, S300, Drum
Welding position:	according to DIN EN 287

PA	PB	PC	PD	PE	PF	PG
☒	☒	☒	☐	☒	☒	☐

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