

TECHNICAL DATA SHEET

ALUSALD12

Brazing alloys, Cadmium Free

EN ISO 17672:2016	Al 112
AWS A5.8-92	BAISi-4
ISO 3677:1997	
DIN 8513	SG-ALSi12
(EN 1044:1999)	AL 104

Nominal Composition [%]

Al	Cu	Zn	Sn	Si	Mn	Ni
88,00	-	-	-	12	-	-

Technical Data

Melting Point	573-585°C
Working Temperature	580° C
Density	2,65 gr/cm ³
Tensile strength	125-150 N/mm ²
Elongation	15-30%
Electrical Conductivity	n.a.

Applications

ALUSALD 12 is a general purpose filler metal for joining aluminium base metals, with Silicon contain over 7%. It has a good tensile strength, corrosion resistance and lower joining temperature.

Sometimes it can be also used for TIG brazing with aluminium base metal with low Mg contain. Typical application: heat exchanger, air conditioning, automotive refrigeration systems

Suggested Flux

Fluxal 12

Base Metals

Aluminium and its alloys

Heat Sources

By flame, induction or furnace

Bare rods	Fluxcoated	Wire < Ø 1,0	Wire > Ø 1,0	Foil	Preforms	Paste
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>