

BERALWELD® M1450

berAlweld® M1450 is an AlSi filler metal for MIG and TIG welding of pure and mostly pure aluminium

Features:

- Good fluidity
- Ti acts as a grain refiner
- Enhanced corrosion resistance

Typical Base Materials:

- Pure aluminum
- Mostly pure aluminium (max. 0.5% of alloying elements)

Typical applications:

- Chemical industry
- Construction industry
- Food industry

Standards:

- DIN EN ISO 18273: S Al 1450 (Al99.5Ti)
- DIN 1732: 3.0805
- AWS A5.10: ER 1450

Shielding gas (EN ISO 14175:)

- Ar (I1)
- Ar/He mixture (I3)

Standardization and composition

EN ISO 18273	S Al 1450 (Al99,5Ti)
DIN 1732	3.0805
AWS A5.10	ER 1450
Si	< 0.25
Fe	< 0.40
Cu	< 0.05
Mn	< 0.05
Mg	< 0.05
Cr	-
Zn	< 0.07
Zr	-
Ti	0.10 - 0.20
Al	≥ 99.5
Be	< 0.0003
Others	-

Physical properties

Density (g/cm³)	2.7
Melting range (°C)	647 - 658
Yield strength (MPa)	≥ 20
Tensile strength (MPa)	≥ 65
Elongation (%)	≥ 35

Delivery options

Make-up	Weight/Length	Dimension
S100	0.5 kg	0.80 / 1.00 / 1.20 /1.60mm
S200	2.0 kg	0.80 / 1.00 / 1.20 /1.60mm
S300	5.0 - 7.0 kg	0.80 / 1.00 / 1.20 /1.600mm
BS300	5.0 - 7.0 kg	0.80 / 1.00 / 1.20 /1.60mm
B300	5.0 - 7.0 kg	0.80 / 1.00 / 1.20 /1.60mm
bedrabox	80-150kg	1.00 / 1.20 / 1.60mm
Drum	60.0 - 140.0 kg	1.00 / 1.20 /1.60mm
Rods	5.0 - 10.0 kg	1.60 / 2.40 / 3.20 / 4.00 / 6.00mm x 1000mm