

Standardization and composition

BE DAI WELD® M1450

be

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	-

Shielding gas (EN ISO 14175:)

AWS A5.10: ER 1450

Ar (I1)

Shielding gas (EN ISO 14175:)

Ar (I1)

Ar/He mixture (I3)

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Physical properties

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
bedradox	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

Physical properties

Density (g/cm ³)	2.7
Melting range (°C)	647 - 658
Yield strength (MPa)	≥ 20
Tensile strength (MPa)	≥ 65
Elongation (%)	≥ 35

Delivery options

