

Standardization and composition

BE DAI WELD @ M5087

be

EN ISO 18273	S Al 5087 (AlMg4,5MnZr(A))
DIN 1732	3.3546
AWS A5.10	ER 5087
Si	< 0.25
Fe	< 0.40
Cu	< 0.05
Mn	0.70 - 1.1
Mg	4.5 - 5.2
Cr	0.05-0.25
Zn	< 0.20
Zr	0.10-0.20
Ti	< 0.15
Al	Balance
Be	< 0.0003
Others	< 0.15

Cryogenics application

DIN EN ISO 18273 (S Al 5087 (AlMg4,5MnZr(A)))

Standards: DIN 1732 (3.3546)

AWS A5.10 (ER 5087)

DIN EN ISO 18273 (S Al 5087 (AlMg4,5MnZr(A)))

Shielding gas (EN ISO 14175:)

AWS A5.10 (ER 5087)

100% Ar (I1)

Shielding gas (EN ISO 14175:)

Ar / He mixture (I2)

100% Ar (I1)

Ar / He mixture (I3)

Standardization and composition

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
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

Physical properties

Density (g/cm ³)	2.66
Melting range (°C)	574 - 638
Yield strength (MPa)	≥ 140
Tensile strength (MPa)	≥ 285
Elongation (%)	≥ 18

Delivery options

