

Standardization and composition

BE DA WELD® M5356

be

EN ISO 18273	S Al 5356 (AlMg5Cr(A))
DIN 1732	3.3556
AWS A5.10	ER 5356
Si	< 0.25
Fe	< 0.40
Cu	< 0.10
Mn	0.05 - 0.20
Mg	4.50 - 5.50
Cr	0.05 - 0.20
Zn	< 0.10
Zr	-
Ti	0.06 - 0.20
Al	Balance
Be	< 0.0003
Others	< 0.15

AWS A5.10 (ER 5356)
DIN EN ISO 18273 (S Al 5356 (AlMg5Cr))

Shielding gas (EN ISO 14175)

AWS A5.10 (ER 5356)
100% Ar (I1)

Shielding gas (EN ISO 14175)

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)	2.68
Melting range (°C)	575 - 633
Yield strength (MPa) N/mm	≥120
Tensile strength (MPa)	≥250
Elongation (%)	≥18

Delivery options

