

# BERALWELD® M5754

**berAlweld®** M5754 is an AlMg based filler metal for MIG and TIG welding of AlMg based alloys

## Features:

- Excellent corrosion resistance
- High color match on anodized parts

## Base Materials:

- AlMg, AlMgSi and AlMgMn wrought and cast alloys with a Mg content up to 3%

## Applications:

- Tank construction
- Shipbuilding
- Automotive parts
- Construction industry
- Outdoor furniture

## Standards:

- DIN EN ISO 18273 (S Al 5754 (AlMg3))
- DIN 1732 (3.3536)
- AWS A5.10 (ER 5754)

## Shielding gas (EN ISO 14175:)

- 100% Ar (I1)
- Ar / He mixture (I3)

## Standardization and composition

<b>EN ISO 18273</b>	S Al 5754(AlMg3)
<b>DIN 1723</b>	3.3536
<b>AWS A5.10</b>	ER 5183
<b>Si</b>	< 0.40
<b>Fe</b>	< 0.40
<b>Cu</b>	< 0.10
<b>Mn</b>	< 0.50
<b>Mg</b>	2.6-3.6
<b>Cr</b>	<0.30
<b>Zn</b>	< 0.20
<b>Zr</b>	-
<b>Ti</b>	< 0.15
<b>Al</b>	Balance
<b>Be</b>	< 0.0003
<b>Others</b>	< 0.15

## Physical properties

<b>Density (g/cm<sup>3</sup>)</b>	2.66
<b>Melting range (°C)</b>	610-642
<b>Yield strength (MPa)</b>	≥ 80
<b>Tensile strength (MPa)</b>	≥ 190
<b>Elongation (%)</b>	≥ 20

## Delivery options

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