

WELDING CONSUMABLES

GAS AND TIG WELDING CONSUMABLES

SECTION THREE

COMWELD AL1100



WELD DEPOSIT PROPERTIES:

Typical Weld Metal Tensile Strength	75 MPa.
Approximate Melting Point	660°C
Post Anodised colour tint	Clear

ROD ANALYSIS LIMITS:

Single values are maximum allowable, unless otherwise stated.

Si: 0.06%	Fe: 0.06%	Cu: 0.005%
Mn: 0.01%	Mg: 0.01%	Zn: 0.03%
Ti: 0.01%	Others each: 0.01%	
Al: 99.88% min		

COMPARABLE CIGWELD PRODUCTS:

Autocraft AL1188 GMAW wire
AWS A5.10: ER1188

- ▲ 99.88% Pure Aluminium Alloy Rod.
- ▲ Suitable for Gas Welding and Gas Tungsten Arc (GTAW / TIG) Welding Applications.
- ▲ Embossed with AS / AWS Class '1188'.
- ▲ For the joining of selected high purity 1XXX series Aluminium sheets and plates used extensively in the electrical and chemical industries.

Classifications:

AS/NZS 1167.2:	R1100.
AWS/ASME-SFA A5.10:	R1100.

Packaging Data:

Rod Size (mm)	Pack Weight/Type	Carton Size	Approx. Rods/kg	Part No
1.6 x 914	2.5kg Pack	15kg	30	322600
2.4 x 914	2.5kg Pack	15kg	30	322601

COMWELD AL4043



WELD DEPOSIT PROPERTIES:

Typical Weld Metal Tensile Strength	110 MPa.
Approximate Melting Point	630°C
Post Anodised colour tint	Grey

ROD ANALYSIS LIMITS:

Single values are maximum allowable, unless otherwise stated.

Si: 4.5-6.0%	Fe: 0.80%	Cu: 0.30%
Mn: 0.05%	Mg: 0.05%	Zn: 0.10%
Ti: 0.20%	Total others: 0.15%	
Al: Balance		

COMPARABLE CIGWELD PRODUCTS:

Autocraft AL4043 GMAW wire
AWS A5.10: ER4043

- ▲ Aluminium - 5% Silicon Alloy Rod.
- ▲ Suitable for Gas Welding and Gas Tungsten Arc (GTAW / TIG) Welding Applications.
- ▲ Embossed with AS / AWS Class '4043'.
- ▲ For the repair welding (fractures and blow holes etc) of selected aluminium alloy castings

Classifications:

AS/NZS 1167.2:	R4043.
AWS/ASME-SFA A5.10:	R4043.

Packaging Data:

Rod Size (mm)	Pack Weight/Type	Carton Size	Approx. Rods/kg	Part No
1.6 x 914	2.5kg Pack	15kg	210	321610
2.4 x 914	2.5kg Pack	15kg	90	321611
3.2 x 914	2.5kg Pack	15kg	51	321612

COMWELD AL4047



WELD DEPOSIT PROPERTIES:

Typical Weld Metal Tensile Strength	150 MPa.
Approximate Melting Range	577 – 582°C
Post Anodised colour tint	Grey – Black

ROD ANALYSIS LIMITS:

Single values are maximum allowable, unless otherwise stated.

Si: 11.0-13.0%	Fe: 0.80%	Cu: 0.30%
Mn: 0.15%	Mg: 0.10%	Zn: 0.20%
Total others: 0.15%		Al: Balance

- ▲ Aluminium - 10% Silicon Alloy Rod.
- ▲ Suitable for Gas Welding and Gas Tungsten Arc (GTAW / TIG) Welding Applications.
- ▲ Embossed with AS / AWS Class '4047'.
- ▲ Used extensively for the brazing of many types of Aluminium alloy sheets, extruded shapes and castings.

Classifications:

AS/NZS 1167.2:	R4047.
AWS/ASME-SFA A5.10:	R4047.
AWS/ASME-SFA A5.8:	BAISi-4.

Packaging Data:

Rod Size (mm)	Pack Weight/Type	Carton Size	Approx. Rods/kg	Part No
1.6 x 914	2.5kg Pack	15kg	210	321620
	100 rod Handipack	8 Pks	–	322070
2.4 x 914	2.5kg Pack	15kg	90	321621
	50 rod Handipack	8 Pks	–	322071
3.2 x 914	2.5kg Pack	15kg	51	321622