



HILCO AlSi12 (OAW)

Gas welding rods – aluminium

AWS A5.10: ER 4047

EN ISO 18273: S Al 4047A / AlSi12(A)

Wire type:

OAW Solid wire

Shielding gas:

Oxy-acetylene

Welding positions:

AlSi12 is our aluminium wire for oxy-acetylene gas welding all types of aluminium castings and applications where good colour matching with base materials is important. Typical applications include repair welding, surfacing and construction welding: window frames, aluminium tubes, furniture, aluminium castings, engine blocks, and automotive parts.

Base materials to be welded:

- Aluminium-Si cast alloys up to 12% Si content:
- G-AlSi 12 (Cu), G-AlSi 10 Mg (Cu), G-AlSi 6 Cu 4

Applications:

- General fabrication & construction
- (aluminium base metals)
- Repair & Maintenance

Chemical composition, wt.% weld metal – typical:

Mn	Si	Fe	Cu	Al
≤ 0,15	12,0	≤ 0,60	≤ 0,30	Bal.

Physical properties

Melting range
573-585°C

Density
2,65 g/cm³

Packaging data:

Dia. mm.	Length mm.	Weight / package kg.
1,6	1000	5
2,0	1000	5
2,4	1000	5
3,2	1000	5