

QuAlSi12

EN ISO 18273 : S Al4047A (AlSi12(A)); AWS/SFA 5.10 ER4047A; M.- No.: 3.2585

is suitable for joint and build-up welding on Aluminium-silicon alloys of up to 12% Si, as well as dissimilar types of aluminium alloys.

Recommendation for basic materials

Aluminium – Silicon – alloys up to 12 % Si, dissimilar Al-alloys

Rework

Material-typical treatment

Material analysis in %

Si	Fe	Al
12,0	0,2	Rest

(test certificates upon request.)

Standard / Mechanical values

Inert gas	Argon	Values of the pure weld metal
Temperature	20°C	
Yield strength Re	N/mm ²	60
Tensile strength Rm	N/mm ²	130
Elongation A (Lo = 5do)	%	6
Hardness untreated	HRC	

Following standard:

Laser welding wires

rods: 333 mm / 1.000 mm

spool: K80 / K125 / K250 / SH253 / MA125

The reported values were determined by the manufacturer and / or by a neutral Laboratory. We cannot guarantee for the accuracy.