TALWELD 4043

Classifications
AWS A5.10 ER4043
AS/NZS ISO 18273 S Al 4043

Description

Talweld 4043 is an Aluminium Alloy TIG rod containing 5% Silicon used for welding of cast and wrought aluminium alloys. Its Silicon content gives lower strength and excellent crack resistance, particularly for the repair of castings.

Shielding Gas

Welding grade Argon or Argon-Helium mixtures (for thicker sections).

Chemical composition of solid wire (wt %)

Si	Fe	Cu	Mn	Mg	Zn	Be	Ti	Al
4.5-5.5	0.80 Max.	0.30 Max.	0.05 Max.	0.05 Max.	0.1 Ma	0.0003 Max.	0.2 Max.	Balance

Typical mechanical properties of weld metal

Tensile strength MPa	Yield strength MPa	Elongation %
120	170	8

Packaging

Diameter (mm)	1.6	2.4	3.2
Pack	2.5kg	2.5kg	2.5kg
Length (mm)	1000	1000	1000

Note: SAFRA 4043 TIG Rods are also available, in 5 kg packs