

TECHNICAL SHEET

Aluminum Welding Alloys

BEIDUO® Alloys

Providing Complete Brazing, Soldering & Welding

No.:000082

Classification

AWS A5-10: ER4043

EN ISO18273-S: AISi5

Chemical Composition: %

Al	Si	Fe	Cu	Mn	Mg	Zn	Ti	Other
Balance	4.5-6.0	0.8	0.3	0.05	0.05	0.1	0.2	≤0.15

Mechanical and physical properties

Melting range: 573-625 °C

Density: 2.68g/cm³

Tensile strength: ≥ 120 N/mm²

Elongation: ≥ 40 %

Welding process:

TIG , MIG

Description and Applications

This type of product can be used in forging and casting alloys welding due to it has silicon of 5% with the good performance in anti-thermal crack. Jointing or overlay light alloy processing.

Usage: ships, engine, chemistry, food, sports equipment, mould, furniture, vessel, container, etc.

Availability

Rods (mm): φ 1.6; 2.0; 2.4; 3.2; 4.0; 5.0; 6.0

Rod packagings: (Boxes) 5/10kg

Wires (mm): φ 0.8; 0.9; 1.0; 1.2; 1.6; 2.0; 2.4

Spools: S100/0.5kg(1lb) S200/2kg S300/6kg-7kg(16lb) S360/20kg

Other dimensions are available upon request

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Jan.10,2019