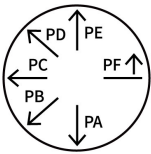


SMT-4043

Classification

AWS A5.10/ ASME SFA-5.10 ER4043
JIS Z 3232 A4043-WY
EN ISO 18273 S Al 4043 (AlSi5)

Welding Positions



Features

- This silicon-aluminum filler material is one of the oldest and most widely used welding alloys.
- Can be classified as a general purpose type filler alloy that matches well in color with the parent metal after anodizing
- Shipbuilding, automobile, railway
- Excellent feedability by controlling impurities

Polarity

DC + (PULSE)

Application Areas

- All industrial manufacturing sectors, such automotive, mobile equipment, shipbuilding, etc.

Shielding Gas

Ar

Approvals

CE	DB
✓	✓

Typical Chemical Composition of the Wire (wt%)

Si	Mn	Cu	Ti	Al	Fe
5.07	0.02	0.03	0.02	Rem	0.12

Typical Mechanical Properties of All-Weld Metal

Shielding Gas	Tensile Strength MPa(ksi)	Elongation (%)
Ar	183 (27)	40

Diameter / Welding Parameters / Packaging

Wire Diameter mm(in)	Packaging
0.9 (0.035), 1.0 (0.039), 1.2 (0.045), 1.4 (0.052), 1.6 (1/16)	Spool 7kg(15lbs) Spool 2kg(4.4lbs) Spool 0.5kg(1.1lbs)

SMW

GMW

GTW

FCW

Metal-cored Wire

SAW Wire

SAW Flux