

SMT-4043

Classification

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

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

Application Areas

- All the industrial manufacturing sectors, such as the automotive industry, the production of mobile equipments, the shipbuilding sector, etc.

Approvals

CE	DB
✓	✓

Typical Chemical Composition of the Wire (wt%)

Si	Mn	Cu	Ti	Al	Mg	Zn	W
5.07	0.02	0.03	0.02	Rem	0.12	0.01	0.03

Typical Mechanical Properties of All-Weld Metal

Tensile Strength MPa(ksi)	Elongation (%)
183(27)	8

SMW

GMW

GTW

FCW

Metal-cored Wire

SAW Wire

SAW Flux

Wire Diameter & Packaging

Wire Diameter mm(in)	Packaging
1.6 (1/16)	5kg(11lbs)*1000
2.0 (5/64)	
2.4 (3/32)	
2.6 (0.10)	
3.2 (1/8)	

SMW

GMW

GTW

FCW

Metal-cored Wire

SAW Wire

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