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4043 Alloy

Alloy Characteristics

Alloy 4043 is one of the oldest and most widely used welding and brazing alloys. Almigweld and altigweld 4043 can be classified as a general purpose type filler alloy. The silicon additions result in improved fluidity (wetting action) to make the alloy a preferred choice by welders. The alloy is less sensitive to weld cracking and produces brighter, almost smut free welds.

Features

Welding Filler Wire
Spray and Flame Metallizing Wire

Typical Applications

- Trade designation: ALMIGWELD and ALTIGWELD
- Non-Heat treatable
- Similar to AlSi5 (Germany), BS N21 (United Kingdom)
- ISO designation: AlSi5
- Principle alloying elements: Silicon
- Applicable specifications: ANSI/AWS A5.10 (ER & R), AMS 4190

Alloy 4043 Packaging Specifications

Weight	Diameter (in)	Diameter (mm)	Type
1 lb.	.030 in.	0.8 mm	Spools
1 lb.	.035 in.	0.9 mm	Spools
1 lb.	3/64 in.	1.2 mm	Spools
1 lb.	1/16 in.	1.6 mm	Spools
4 lb.	.030 in.	0.8 mm	Spools
4 lb.	.035 in.	0.9 mm	Spools
4 lb.	3/64 in.	1.2 mm	Spools
4 lb.	1/16 in.	1.6 mm	Spools
16 lb.	.035 in.	0.9 mm	Wire Baskets
16 lb.	3/64 in.	1.2 mm	Wire Baskets
16 lb.	1/16 in.	1.6 mm	Wire Baskets
16 lb.	.030 in.	0.8 mm	Spools
16 lb.	.035 in.	0.9 mm	Spools
16 lb.	3/64 in.	1.2 mm	Spools
16 lb.	1/16 in.	1.6 mm	Spools
16 lb.	3/32 in.	2.4 mm	Spools
20 lb.	3/64 in.	1.2 mm	Spools
20 lb.	1/16 in.	1.6 mm	Spools
50 lb.	3/64 in.	1.2 mm	AlumaPak Mini
50 lb.	1/16 in.	1.6 mm	AlumaPak Mini
311 lb.	3/64 in.	1.2 mm	AlumaPak
311 lb.	1/16 in.	1.6 mm	AlumaPak