

SuperGlaze® 4043

Key Features

- Designed for welding heat-treatable base alloys and more specifically the 6XXX series alloys
- Lower melting point and more fluidity than 5XXX series filler alloys
- Excellent feedability and consistent welding performance

Typical Applications

- For welding 6XXX alloys, and most casting alloys
- Automotive components such as frame and drive shafts
- Bicycle frames

Conformances

AWS A5.10/A5.10M: ER4043

Welding Positions



Shielding Gas

- 100% Argon
- Argon / Helium mixtures
- Flow Rate 15-25 L/min

Diameter / Packaging / Settings

Diameter mm	Part Number	Packaging	WFS ipm	Voltage volts	Approx. Current amps	CTWD mm
0.8	ED030307	Spool S100 0.45kg	400-700	17-23	60-150	10-15
0.9	ED030308	Spool S100 0.45kg	350-600	17-23	80-200	10-15
1.2	ED028397	Spool S300 7.26kg	200-450	23-27	130-250	15-20
1.2	ED036610	Gem-Pak 136.1kg	200-450	23-27	130-250	15-20
1.6	ED028398	Spool S300 7.26kg	150-320	24-30	200-350	15-25

Mechanical Properties - As required per AWS A5.10

	Yield Strength MPa	Tensile Strength MPa	Elongation %	Charpy V-Notch J @ +20°C
Requirements - AWS ER4043	Not specified	Not specified	Not specified	Not specified
Typical Results	100	160	15	20

Wire Composition

	%Al	%Mn	%Si	%Mg	%Zn
Typical Results	Bal	0.01	5.3	0.03	0.001
	%Fe	%Ti	%Cu	%Be	
Typical Results	0.15	0.01	0.01	<0.0002	