

# Aluminium Mig Wires | Safra 4043

# **Key Facts**

- Precision layer wound, double diamond shaved wire
- Excellent feedability and arc control
- Very high quality welds
- Excellent crack resistance

### Description

A high quality all-purpose aluminium alloy mig wire containing 5% silicon. Added silicon increases the fluidity of the weld pool creating a weld that is more resistant to cracking.

# Classifications, Approvals & Conformances

#### AWS A5.10 ER4043

ABS - American Bureau of Shipping DB - DB Systemechnik DNV - Det Norske Veritas Lloyd's Register of Shipping RINA TÜV

# **Applications**

Suitable to weld a range of aluminium grades and alloys. Generally used in the repair of automotive parts such as cylinder heads, inlet manifolds and housings. Can also be used for defects and cast repairs as well as heat exchangers and food manufacturing equipment.

- Repair of Alloy castings
- Scaffold fabrication
- Food processing equipment

# **Recommended Shielding Gas**

100% Argon

### **Welding Positions**

All positions

Typical Wire Analysis				
Cu - Copper	Mn - Manganese	Si - Silicon	Others	
< 0.05	< 0.05	4.5 – 5.5	< 0.15	
Zn - Zinc	Ti - Titanium	Mg - Magnesium	Be - Beryllium	
< 0.01	< 0.15	< 0.05	< 0.0008	
Fe - Iron	Ai - Aluminium			
< 0.40	Balance			

Typical Weld Mechanical Properties			
0.2% Proof Stress	> 40N/mm <sup>2</sup>		
Elongation	>8%		
Tensile Strength:	190N/mm <sup>2</sup>		

Packaging & Ordering Information			
Size	Packet	Part Number	
1.2mm	6kg	200237S	

Disclaimer: The above information is provided as a guide; actual welding current and voltage will depend on the welding machine characteristics, which will vary from model to model. Other variables include run length and size, plate thickness, operator technique and gas type (if used). The user must evaluate the process, application and recommended professional advice. Under no circumstance will Dynaweld or its affiliates be liable for misuse or application of products this is entirely up to the user's ability.