

4043 Al Si 5 Solid Tig Aluminium Wire

Description

FIDAT 4043 Al Si 5 Suitable for welding cast aluminium and wrought alloys containing up to 7% Si. Al Si 5 has excellent flow characteristics. FIDAT 4043 is used for welding aluminium alloy castings. It has a lower weld deposit strength but excellent crack resistance. Used in general construction of furniture and automotive applications where corrosion is not an issue. Can also be used for welding aluminium busbars of a similar grade This wire is not recommended when anodizing

SHIELDING GAS:

EN ISO 439 - 100% Argon

CONFORMANCES:

EN ISO 18273-S Al 4043 (AlSi5)
AS/NZS ISO:18273 - S Al 4043
AWS A5.10 ER 4043

TYPICAL APPLICATIONS

- Automotive
- Furniture
- Architectural
- Aluminium repairs
- Wrought aluminium

CHEMICAL COMPOSITION ACCORDING TO EN ISO 18273 [%]:

	Si	Fe	Cu	Mn	Mg	Cr	Zn	V	Ga	Ti	Zr	Al	Be	other each	other total
min.	4.50	-	-	-	0.05	--	-	-	-	0.20	-	rem.	-	-	-
max.	6.00	0.80	0.30	0.05	0.05	--	0.10	-	-	-	-	-	0.0003	0.05	0.15

MECHANICAL PROPERTIES (as welded)

minR _m [N/mm ²]	R _p 0,2 [N/mm ²]	A [%]	Solidus [°C]	Liquidus [°C]
120	60	15	573	632

APPROVALS

- VdTÜV
- DB