SuperGlaze® TIG 4047

CLASSIFICATION

AWS 5.10	R4047	**A-Nr**	-
ISO 18273	S Al 4047 (AlSi12)	**F-Nr**	23
EN 573.3	EN AW-AlSi12	**Mat-Nr**	3.2585

GENERAL DESCRIPTION

Lower melting point and higher fluidity than 4043 wires
Can be used as a substitute for 4043 to increase silicon content in the weld metal and minimize hot cracking and produce higher fillet weld shear strength
Can be used as a brazing alloy

SHIELDING GASES (ACC. ISO 14175)

I1 Inert gas Ar (100%)
Flow Rate : 14.2 - 23.6 L/min

CHEMICAL COMPOSITION (W%) TYPICAL WIRE

Al	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Be
bal.	11-13	max. 0.8	max. 0.30	max. 0.15	0.10	0	max. 0.20	0	max. 0.0003

Notes : Unspecified elements should not exceed a total of 0.15%

MECHANICAL PROPERTIES. TYPICAL. ALL WELD METAL

	Shielding gas	Condition	Yield strength (N/mm^2)	Tensile strength (N/mm^2)	Elongation (%)
Typical values	I1	AW	60-80	130-190	5-20

PHYSICAL PROPERTIES

Melting range : 573 - 585°C
Density : approximately 2680 kg/m3

APPLICATIONS

For welding 6XXX alloys. and most casting alloys
Automotive components , radiators and air conditionning

PACKAGING AND AVAILABLE SIZES

Diameter (mm)	2.0	2.4	3.2	4.0
5 kg cardboard box	X	X	X	X

Superglaze® TIG 4047: rev. C-EN22-01/02/16

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THE WELDING EXPERTS®

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