SuperGlaze® TIG 4043

CLASSIFICATION

AWS 5.10	R4043	**A-Nr**	-
ISO 18273	S Al 4043A (AlSi5)	**F-Nr**	23
EN 573.3	EN AW-AlSi5	**Mat-Nr**	3.2245

GENERAL DESCRIPTION

Designed for welding heat treatable base alloys and more specifically 6xxx Series Alloys
Lower melting point and fluidity that 5xxx series filler alloys
Low sensitivity to weld cracking with 6xxx base alloys
Suitable for sustained elevated temperature service. i.e. above 65ºC

SHIELDING GASES (ACC. ISO 14175)

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

APPROVALS

ABS	DB	TÜV
+	+	+

CHEMICAL COMPOSITION (W%) TYPICAL WIRE

Al	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Be
bal.	4.5-6.0	max. 0.6	0.05-0.020	max. 0.05	0	-	max. 0.1	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	20-40	120-165	3-18

PHYSICAL PROPERTIES

Melting range : 573 - 625ºC
Density : approximately 2680 kg/m3

APPLICATIONS

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

PACKAGING AND AVAILABLE SIZES

Diameter (mm)	1.6	2.0	2.4	3.2	4.0	4.8
5 kg cardboard box	X	X	X	X	X	X

Note : Cut length = 1000 mm

Superglaze® TIG 4043: rev. C-EN22-01/02/16

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THE WELDING EXPERTS®