

# SuperGlaze® MIG 4043

## CLASSIFICATION

AWS 5.10	ER4043	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 than 5xxx series filler alloys  
 Low sensitivity to weld cracking with 6xxx base alloys  
 Suitable for sustained elevated temperature service. i.e. above 650°C

## WELDING POSITIONS (ISO/ASME)



## SHIELDING GASES (ACC. ISO 14175)

I1	Inert gas Ar (100%)
Flow rate	14.2 - 23.6L/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	max. 0.3	max. 0.05	max. 0.05	-	max. 0.1	max. 0.2	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 <sup>2</sup> )	Tensile strength (N/mm <sup>2</sup> )	Elongation (%)
Typical values	I1	AW	20-40	120-165	3-18

## PHYSICAL PROPERTIES

Melting range	: 573 - 625°C
Density	: approximately 2680 kg/m <sup>3</sup>

## 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)	0.8	0.9	1.0	1.2	1.6	2.4
0.5 kg plastic spool S100	X		X	X	X	
7.26 kg spool S300	X		X	X	X	X
7.0 kg spool BS300	X		X	X	X	X
23-27 kg wooden reel			X	X	X	X
125kg Gem-Pak		X		X	X	
159kg wooden reel			X	X	X	X
227 kg wooden reel			X	X	X	X

Other sizes and packaging on request

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