

SuperGlaze® MIG 5754

CLASSIFICATION

ISO 18273 - S Al 5754 (AlMg3)
 EN 573.3 - EN AW AlMg3
 Werkstoff Nr. - 3.3536

GENERAL DESCRIPTION

Magnesium alloyed aluminium for welding of alloys with a maximum of 3.5% Mg
 Good corrosion resistance and excellent colour match after anodizing
 Suitable for a wide range of applications in general construction and structural industry

WELDING POSITIONS

ISO/ASME						
	PA/1G	PB/2F	PC/2G	PD/4F	PE/4G	PF/3G up

SHIELDING GASES (ACC. ISO 14175)

I1	Inert gas Ar (100%)
I3	Inert gas Ar+ 0.5-95% He
Flow rate	14.2 - 23.6L/min

APPROVALS

TÜV

+

CHEMICAL COMPOSITION (W%) TYPICAL WIRE

Al	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Be	Mn+Cu
bal.	max. 0.4	max. 0.4	max. 0.1	max. 0.5	2.6-3.6	max. 0.3	max. 0.20	max. 0.15	max. 0.0003	0.10-0.6

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	70-80	180-200	15-20

PHYSICAL PROPERTIES

Melting range : 580 - 642°C
 Density : approximately 2660 kg/m³

MATERIAL TO BE WELDED

Refer to "Filler Metal Guide for Aluminium"

APPLICATIONS

General Construction Industry
 Automotive bumpers and supports

PACKAGING AND AVAILABLE SIZES

	Diameter (mm)	0.8	1.0	1.2	1.6	2.4	Other sizes and packaging on request
Unit :	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	
	23-27kg wooden reel		X	X	X	X	
	136 kg AccuPak			X	X		
	159kg wooden reel		X	X	X	X	
	227kg wooden reel		X	X	X	X	

Superglaze® MIG 5754; rev. EN 01