

ML4043 AlSi5

Rod / Wire electrode for Aluminium

Classification	EN ISO 18273	S Al 4043 (AlSi5 (A))
	DIN EN 1706	-
	AWS A 5-10	ER 4043
	Material No.	3.2245

Typical composition in %

Si 4,50 - 6,00	Fe < 0,60	Cu < 0,30	Mn < 0,05	Mg < 0,05	Cr -	Zn < 0,10
V -	Ti < 0,20	Zr -	Be < 0,0003	Al Remainder	Others total < 0,15	Other each < 0,05

Approvals	DB TÜV
------------------	----------

Description This alloy is particularly used to prevent solidification cracks in connection with high dilution and clamp conditions. Anodizing gives dark grey colours and is not recommended. The weld pool is very fluid. Our chemical analysis meets the specification of 4043 and 4043A

Application Fields Automotive, constructions, heat exchangers, AlSi alloys up to 7% Si, AlMgSi0,5, AlMgSi0,8, AlMgSi1, AlZnMg, AlCuMg

Mechanical Characteristics	Tensile Strength R _m	≥130 N/mm ²
	Elongation L=5d	5 %

Mechanical properties quoted above are approximate values, intended for guidance only. Test temperature 20°C.

Welding Position PA, PB, PC, PF

Polarity MIG =+ | WIG ~

Shielding gas DIN EN ISO 14175-I1-I2-I3

Available sizes Ø	MIG-wires [mm]	0,8 1,0 1,2 1,6 2,0 2,4
	TIG-Rods [mm]	1,6 2,0 2,4 3,2 4,0

Pack size spools S300 - 6 kg | B300 - 7kg | BS300 - 7 kg | B400 -18kg | B400 40 kg

Pack size rods TIG carton box of 5 kg or 10kg (x 1000 mm length)

MORE DIAMETERS AND PACKING UPON REQUEST