

ML5356 AlMg5Cr (A)

Rod / Wire electrode for Aluminium

Classification	EN ISO 18273	S Al 5356 (AlMg5MnCr)
	DIN EN 1706	-
	AWS A 5-10	ER 5356
	Material No.	3.3556

Typical composition in %

Si < 0,25	Fe < 0,40	Cu < 0,10	Mn 0,05 - 0,20	Mg 4,50 - 5,50	Cr 0,05 - 0,20	Zn < 0,10
V -	Ti 0,06 - 0,20	Zr -	Be < 0,0003	Al Remainder	Others total < 0,15	Other each < 0,05

Approvals DNV-GL | ABS | DB | TÜV | Bureau Veritas

Description The weld metal is sea water resistant. Suitable for anodizing when matching colours are required.

Application Fields Applications in the construction of ships, offshore, railway and in the automotive industry. Materials to be welded: AlMg5, AlMg3, AlZnMg1, AlZnMgCu0,5, AlMgSi0,7, AlMg1SiCu, G-AlMg10, G-AlMg3Si, G-AlMg5Si

Mechanical Characteristics Tensile Strength R_m ≥ 240 N/mm²

Elongation L=5d 17 %

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

Welding Position PA, PB, PC, PE, 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