

# ER5754

Aluminium based alloys

WELDING CONSUMABLES

AWS A5.10: ER5754

ISO 18273: AlMg3

W.N.: 3.3536

## ER5754

ER5754 is aluminium based type material designed for welding of aluminium and aluminium alloys with maximum of 3% of Mg.








Characterized by medium strength, good corrosion resistance, good feedability and arc performance.

Typical applications: general construction and structural industry, engines, electric power, chemistry, food industry, etc.

### 1. Shielding gases (acc. EN ISO 14175)

GMAW/GTAW	I1	Inert gas Ar (100%)
	I2	Inert gas He (100%)
	I3	Inert gas Ar + 0÷95% He

### 2. Welding positions

						
PA	PB	PC	PD	PE	PF	PG

### 3. Chemical composition %

Al	Si	Fe	Mn	Mg	Cu	Cr	Ti	Zn	Other
rest	≤0.40	≤0.40	≤0.50	2.60-3.60	≤0.10	≤0.30	≤0.15	≤0.20	≤0.15

### 4. Mechanical properties, all weld metal

Heat treatment	Yield Strength, $R_{p0.2}$ (MPa)	Tensile Strength, $R_m$ (MPa)	Elongation, A (%)	Impact Energy ISO-V(J)	
				+20°C	-60°C
AW	≥80	≥175	≥15	-	-

### 5. Available size and packaging

Process	Diameter, mm	Box 5-10 kg	D100 1 kg	D200 5 kg	D300 15 kg	BS300 15 kg	K300 15 kg	Coil 25-40 kg	Drum 100-300 kg
GTAW	1.00 - 5.00	x	-	-	-	-	-	-	-
GMAW	0.60 - 2.00	-	-	-	-	x	x	-	-

\* Customer packing on request.

Note: All information enclosed in this datasheet is based on our best knowledge and is given as indicative. Other special requirements are subject to prior discussion and approval of Vojay. Please contact us for any additional information or request.