

Casting material

ANTICORODAL[®] - 72

EN AB-AISi7Mg0.6 / EN AB-42200

ANTICORODAL[®]-72 is a hardenable aluminium casting alloy that is very suitable for sand, coquille and low-pressure coquille casting. It can also be die cast and fine cast.

Compared to ANTICORODAL[®]-70, the alloy has a higher magnesium content and is noted for its very high strength values with reduced stretching. It is suitable for use in engineering, in the aerospace industry and in electrotechnology. Resistance of the ANTICORODAL[®]-72 alloy is excellent, while weldability and machining properties are very good.

Composition in % by mass:

Si	Fe	Cu	Mn	Mg	Zn	Ti
6.5-7,5	0.15	0.03	0.05	0.50-0.70	0.07	0.10-0.18

We supply Anticorodal[®] - 72 with a permanent strontium modification on request.

Mechanical properties:

The values not in parentheses were determined on separately cast test rods.

The values in parentheses can be achieved in cast parts of up to 20 mm using an appropriate melting and casting technique.

Process condition	0.2% Yield strength R _{PO.2} [N/mm ²]	Tensile strength R _M [N/mm ²]	Ductile yield A [%]	Brinell hardness HB
Coquille T64	210 – 240 (150)	290 – 320 (230)	6 – 8 (3)	90 – 100 (90)
Coquille T6	240 – 280 (220)	320 – 350 (270)	4 – 6 (2,5)	100 – 115 (100)
Sand T6	220 – 280 (220)	250 – 320 (250)	1 – 2 (1)	90 – 110 (90)
Fine casting T6	240 – 280 (220)	290 – 320 (250)	2 – 4 (1)	85 – 110 (90)

Alloy ANTICORODAL[®]-72 is delivered exclusively in the form of ingots produced through horizontal continuous casting (HCC). In this way, we offer the following advantages:

- Less scrap through maximum metal purity and uniformity
- Clean ingots without oxide inclusions
- No hard non-metallic inclusions
- Low gas content in the ingots thanks to inline degassing during production
- Lower costs through
 - Reduced metal loss during melting
 - Good and safe stackability
 - Low space requirements thanks to compact pig bunches

SAG

Materials Group

Aluminium Lend GmbH & Co KG

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Progress in Aluminium



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