

# Material: DIN EN 1706 AC-44000

## Standard Specification for Aluminium and Aluminium Alloys - Castings

**Group:** Non-Ferrous Aluminium Alloy

**Sub Group:** DIN EN 1706 Aluminium and Aluminium Alloys - Castings

**Application:** Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

**Belongs to the Industry:** Casting

| Chemical Composition |      |                | Heat Treatment |  |
|----------------------|------|----------------|----------------|--|
| Copper               | Cu % | 0.100 max.     | As-Cast        |  |
| Iron                 | Fe % | 0.650 max.     |                |  |
| Magnesium            | Mg % | 0.100 max.     |                |  |
| Manganese            | Mn % | 0.500 max.     |                |  |
| Nickel               | Ni % | 0.050 max.     |                |  |
| Silicon              | Si % | 8.000 - 11.000 |                |  |
| Lead                 | Pb % | 0.050 max.     |                |  |
| Tin                  | Sn % | 0.050 max.     |                |  |
| Titanium             | Ti % | 0.150 max.     |                |  |
| Zinc                 | Zn % | 0.150 max.     |                |  |
| Other                | Ot%  | 0.150 max.     |                |  |
| Aluminium            | Al % | Balance        |                |  |
| -                    | -    | -              |                |  |
| -                    | -    | -              |                |  |
| -                    | -    | -              |                |  |
| -                    | -    | -              |                |  |

| Cross Reference Table |          |               |                              |
|-----------------------|----------|---------------|------------------------------|
| Material              | Standard | Country       | Grade Belong to the Industry |
| EN AC-44000           | ASME     | USA           | Casting                      |
| Al Si9                | ISO      | International | Casting                      |
| EN AC-44000           | UNE      | Spain         | Casting                      |
| EN AC-44000           | SFS      | Finland       | Casting                      |
| EN AC-44000           | MSZ      | Hungary       | Casting                      |
| EN AC-44000           | AFNOR NF | France        | Casting                      |
| EN AC-44000           | BDS      | Bulgaria      | Casting                      |

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