

DIN EN 1706:2013-12 (E)

Aluminium and aluminium alloys - Castings - Chemical composition and mechanical properties

Contents		Page
Foreword	3
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Ordering information	7
5	Designation systems	8
5.1	Numerical designation system	8
5.2	Chemical symbol based designation system	8
5.3	Temper designations	8
5.4	Casting process designations	8
5.5	Designations to appear on drawings	8
6	Chemical composition	9
6.1	General	9
6.2	Samples for analysis	9
7	Mechanical properties	13
7.1	General	13
7.2	Tensile tests	16
7.3	Test pieces	16
7.3.1	General	16
7.3.2	Separately cast test samples	16
7.3.3	Test pieces taken from castings	17
7.4	Hardness tests	18
8	Rounding rules for determination of compliance	18
Annex A (informative) Mechanical properties of pressure die cast alloys		19
Annex B (informative) Comparison of casting characteristics, mechanical and other properties		20
Annex C (informative) Comparison between cast aluminium alloy designations		24
Bibliography		26