



Standard: **EN 1706 ALUMINUM AND ALUMINUM ALLOYS CASTINGS**
EN 1676 ALUMINUM ALLOYED INGOTS FOR REMELTING

Alloy group: **Al Si 9 Mg**

Alloy designation: **EN AB and AC 46000 - Al Si 9 Cu 3 (Fe)**

Replaces: **DIN 226 D - GD Al Si 9 Cu 3**

CHEMICAL COMPOSITION %

ALLOY		ELEMENTS												
		Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Pb	Sn	Ti	Individual impurities	Global impurities
EN AB 46000	min	8,0	0,6	2,0		0,15								
	max	11,0	1,1	4,0	0,55	0,55	0,15	0,55	1,2	0,35	0,15	0,20	0,05	0,25
DIN 226 D	min	8,0		2,00	0,10	0,10								
	max	11,0	1,0	3,50	0,5	0,50	0,10	0,30	1,20	0,20	0,10	0,15	0,05	0,25

MECHANICAL FEATURES DETECTED FROM SEPARATE CASTING TEST SPECIMENS

Casting process	Temper designations	Rm Tensile strenght		Sp 0,2 Proof Stress		A Elongation		HB Brinell hardness	
		EN 1706	DIN 1725	EN 1706	DIN 1725	EN 1706	DIN 1725	EN 1706	DIN 1725
		Mpa	N/mm2	Mpa	N/mm2	%	%	HBW	HB
SAND (as cast)									
Annealed									
CHILL (as cast)									
Annealed									
PRESSURE DIE (as cast)	F	240	240 - 310	140	140 - 240	1	0,5 - 3	80	80 - 120

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