



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

Alloy group: **Al Si 9 Cu**

Alloy designation: **EN AB and AC 46200 - Al Si 8 Cu 3**

Replaces: **DIN 226 A - 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 46200	min	7,5		2,0	0,15	0,15								
	max	9,5	0,7	3,5	0,65	0,55	-	0,35	1,2	0,25	0,15	0,20	0,05	0,25
DIN 226 A	min	8,0		2,00	0,15	0,15								
	max	11,0	0,80	3,50	0,5	0,55	-	0,35	1,20	0,25	0,15	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)	F	150	160 - 200	90	100 - 150	1	1 - 3	60	65 - 90
		-	-	-	-	-	-	-	-
CHILL (as cast)	F	170	180 - 240	100	110 - 160	1	1 - 3	75	70 - 110
		-	-	-	-	-	-	-	-
PRESSURE DIE (as cast)	F	240	-	140	-	1	-	80	-

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