



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 46300 - Al Si 7 Cu 3 Mg**

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 46300	min	6,5		3,0	0,20	0,35								
	max	8,0	0,7	4,0	0,65	0,60	-	0,30	0,65	0,15	0,10	0,20	0,05	0,25
No UNI name	min													
	max													

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		EN 1706		EN 1706		EN 1706	
		Mpa	N/mm2	Mpa	N/mm2	%	%	HBW	HB
SAND (as cast) Annealed	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
CHILL (as cast) Annealed	F	180	180 - 230	100	100 - 170	1	1 - 2	80	70 - 85
		-	-	-	-	-	-	-	-
PRESSURE DIE (as cast)		-	-	-	-	-	-	-	-

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