



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

Alloy group: **Al Si**

Alloy designation: **EN AB and AC 44400 Al Si 9**

Replaces:

#### CHEMICAL COMPOSITION %

ALLOY		ELEMENTS												Individual impurities	Global impurities
		Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Pb	Sn	Ti			
EN AB 44400	min	8,0													
	max	11,0	0,55	0,08	0,50	0,10	-	0,05	0,15	0,05	0,05	0,15	0,05	0,15	
	min	9,5													
	max	10,6	0,4	0,02	0,4	0,05	-	0,05	0,10	0,05	0,05	0,10	0,05	0,15	

#### MECHANICAL FEATURES DETECTED FROM SEPARATE CASTING TEST SPECIMENS

Casting process	Temper designations	Rm Proof Stress		Sp 0,2 Yield strenght		A Elongation		HB Brinell hardness	
		EN 1706		EN 1706		EN 1706		EN 1706	
		Mpa	N/mm2	Mpa	N/mm2	%	%	HBW	HB
SAND (as cast)	F	180	-	80	-	4		50	
			-		-	-		-	
CHILL (as cast)	F	180	-	90	-	5		55	
			-		-	-		-	
PRESSURE DIE (as cast)	F	220	240 - 280	120	140 - 180	2	5 - 10	55	60 - 80

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