



Standard: **EN 1706 ALUMINIUM AND ALUMINIUM ALLOY CASTINGS**
EN 1676 ALUMINIUM ALLOYED INGOTS FOR REMELTING

Alloy Group: **Al Si 9 Cu**

Replaces: **UNI 7396/3 - SG Al Si 9 Cu 1**

Alloy Designation: **EN AB and AC 46400 - Al Si 9 Cu 1 Mg**

CHEMICAL COMPOSITION %

ALLOY		ELEMENTS												
		Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Pb	Sn	Ti	Individual Impurities	Global Impurities
EN AB 46400	min	8,3		0,8	0,15	0,30						0,10		
	max	9,7	0,7	1,3	0,55	0,65	-	0,20	0,8	0,10	0,10	0,18	0,05	0,25
UNI 7369/3	min	8,3		0,8	0,20	0,30						0,10		
	max	9,7	0,7	1,30	0,5	0,60	-	0,20	0,70	0,10	0,10	0,20		0,8

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 Mpa	UNI 7369/3 N/mm2	EN 1706 Mpa	UNI 7369/3 N/mm2	EN 1706 %	UNI 7369/3 %	EN 1706 HBW	UNI 7369/3 HB
SAND (as cast)	F	135	145-165	90	90-110	1	1-1,5	60	60-80
CHILL (as cast)	F	170	215-235	100	135-155	1	3-4	75	70-80
	T6	275	295-315	235	245-255	1,5	2-3	105	105-130
PRESSURE DIE (as cast)									

Karaağaç OSB Mh. Eskibağlar Cd. No: 9/1 Kapaklı / Tekirdağ

+90 212 875 22 22

satis@gkrmesek.com

www.gkrmesek.com