GKR METAL



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

Alloy Group: **Al Si**

Replaces:

Alloy Designation: **EN AB and AC 44000 - AC Al Si 11**

CHEMICAL COMPOSITION %

ALLOY		ELEMENTS												
		Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Pb	Sn	Ti	Individual Impurities	Global Impurities
EN AB 44000	min	10,0												
	max	11,8	0,15	0,03	0,10	0,45			0,07			0,15	0,03	0,10
	min	10,0				0,10								
	max	11,8	0,15	0,02	0,05	0,45			0,07			0,15	0,03	0,10

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	N/mm2	EN 1706 Mpa	N/mm2	EN 1706 %	%	EN 1706 HBW	HB
SAND (as cast) Hardened and Aged artif.	F	150	170-220	70	80-140	6	2-4	45	50-60
	T6		200-320		120-300		1-3		65-120
CHILL (as cast) Hardened and Aged artif.	F	170	180-230	80	80-130	7	5-16	45	55-75
	T6		210-350		125-320		4-15		70-125
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