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 44400 - Al Si 9**

CHEMICAL COMPOSITION %

ALLOY		ELEMENTS												
		Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Pb	Sn	Ti	Individual Impurities	Global Impurities
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 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)	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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