GKR METAL



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

Alloy Group: **Al Si (Cu)**

Replaces: **UNI 5079 - GD Al Si 13 Fe**

Alloy Designation: **EN AB and AC 47100 - Al Si 12 Cu 1 (Fe)**

CHEMICAL COMPOSITION %

ALLOY		ELEMENTS												
		Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Pb	Sn	Ti	Individual Impurities	Global Impurities
EN AB 47100	min	10,5	0,6	0,7										
	max	13,5	1,1	1,2	0,55	0,35	0,10	0,30	0,55	0,20	0,10	0,15	0,05	0,25
UNI 5079	min	11,5	0,70											
	max	13,0	1,0	0,80	0,3	0,30		0,20	0,50	0,15	0,10	0,15		2,0

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 5079 N/mm2	EN 1706 Mpa	UNI 5079 N/mm2	EN 1706 %	UNI 5079 %	EN 1706 HBW	UNI 5079 HB
SAND (as cast) Annealed									
CHILL (as cast) Annealed									
PRESSURE DIE (as cast)	F	240	225-265	140	130-165	1	1,5-2,5	70	75-95

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