



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

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

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

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

CHEMICAL COMPOSITION %

ALLOY		ELEMENTS											Individual impurities	Global impurities
		Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Pb	Sn	Ti		
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		Sp 0,2		A		HB	
		Tensile strength		Proof Stress		Elongation		Brinell hardness	
		EN 1706	UNI 5079	EN 1706	UNI 5079	EN 1706	UNI 5079	EN 1706	UNI 5079
		Mpa	N/mm2	Mpa	N/mm2	%	%	HBW	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

Merkez Ofis/Head Office : Baksav San.Sit Mustafa Kurdođlu Cad. no:22/2 Beylikdüzü/ISTANBUL/TURKEY
 Fabrika/Factory : Mimarsinan Mah. Eski Bađlar Cad. No:23 Kapaklı - Çerkezköy / Tekirdađ/TURKEY

Tel/Phone : +90 212 875 22 22
 Faks/Fax : +90 212 875 99 83
 E-posta/E-mail : info@mesek.com.tr