



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

Alloy group: **Al Si 10 Mg**

Alloy designation: **EN AB and AC 43400 Al Si 10 Mg (Fe)**

Replaces: **DIN 239 D - GD Al Si 10 Mg**

CHEMICAL COMPOSITION %

ALLOY		ELEMENTS												Individual impurities	Global impurities
		Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Pb	Sn	Ti			
EN AB 43400	min	9,0	0,45			0,25									
	max	11,0	0,9	0,08	0,55	0,50	-	0,15	0,15	0,15	0,05	0,15	0,05	0,15	
DIN 239 D - GD Al Si 10 Mg	min	9,0				0,20									
	max	11,0	1,00	0,10	0,4	0,50	-	0,05	0,15	0,05	0,05	0,15	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	DIN 1725	EN 1706	DIN 1725	EN 1706	DIN 1725	EN 1706	DIN 1725
		Mpa	N/mm2	Mpa	N/mm2	%	%	HBW	HB
IN SAND									
IN CHILL									
PRESSURISED (Raw)	F	240	220 - 300	140	140 - 200	1	1 - 3	70	70 - 100

Merkez Ofis/Head Office : Baksav San.Sit Mustafa Kurdođlu Cad. no:22/2 Beylikdüzü/ISTANBUL/TURKEY
 Fabrika/Factory : Mimsanin 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