



**KAPTAN DEMİR ÇELİK
ENDÜSTRİSİ ve TİCARET A.Ş.**

SUNBELT GROUP L.P.
1990 POST OAK BLVD., STE.950
HOUSTON, TX 77056-3817



F0407 Tag# 293649

Istanbul, 07.01.2011
PAGE 1 / 1

MILL'S TEST CERTIFICATE

MANUFACTURER

KAPTAN DEMİR ÇELİK END. VE TIC. A.Ş.

MECHANICAL AND PHYSICAL PROPERTI CHEMICAL PROPERTIES

Heat No	Yield Point N/mm2	Tensile Strength N/mm2	Elong. (%)	C(%)	Si(%)	Mn(%)	P(%)	S(%)
---------	-------------------	------------------------	------------	------	-------	-------	------	------

EQUAL ANGLE BARS IN QUALITY ACCORDING TO ASTM A36/A6 **Hot Rolled**

SIZE(MM)	LENGTH(M)	Heat No	Yield Point N/mm2	Tensile Strength N/mm2	Elong. (%)	C(%)	Si(%)	Mn(%)	P(%)	S(%)
3/4" X 3/4" X 1/8"	20	4978	319	428	37,6	0,15	0,16	0,63	0,024	0,031

SQUARE BARS IN QUALITY ACCORDING TO ASTM A36/A6

SIZE(MM)	LENGTH(M)	Heat No	Yield Point N/mm2	Tensile Strength N/mm2	Elong. (%)	C(%)	Si(%)	Mn(%)	P(%)	S(%)
1/2" X 1/2"	20	4977	323	439	38,2	0,15	0,19	0,60	0,018	0,021
1/2" X 1/2"	24	4977	320	435	38,0	0,15	0,19	0,60	0,018	0,021

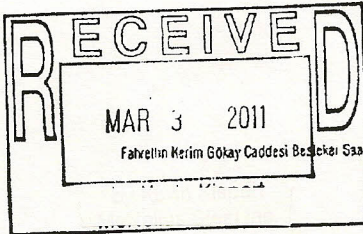
FLAT BARS IN QUALITY ACCORDING TO ASTM A36/A6

SIZE(INCHES)	LENGTH(Feet)	Heat No	Yield Point N/mm2	Tensile Strength N/mm2	Elong. (%)	C(%)	Si(%)	Mn(%)	P(%)	S(%)
1/8" X 1/2"	20	0668	311	426	37,5	0,16	0,15	0,69	0,017	0,021
1/4" X 3/4"	20	0669	312	419	36,9	0,17	0,16	0,64	0,019	0,023
3/8" X 3/4"	20	0669	316	423	37,2	0,17	0,16	0,64	0,019	0,023
1/8" X 1"	20	20-00487	332	456	36,0	0,16	0,13	0,51	0,022	0,035
3/16" X 1"	20	0670	323	438	38,5	0,15	0,18	0,65	0,021	0,028
1/4" X 1"	20	20-00505	336	457	34,0	0,16	0,12	0,53	0,012	0,024
3/16" X 1 1/4"	20	0671	329	442	39,4	0,16	0,18	0,67	0,022	0,026
1/8" X 1 1/2"	20	20-00523	334	452	35,0	0,16	0,15	0,53	0,013	0,024
3/16" X 1 1/2"	20	4979	336	452	36,9	0,18	0,16	0,69	0,016	0,018
1/8" X 2"	20	0672	329	439	39,2	0,18	0,16	0,63	0,021	0,028
3/16" X 2"	20	10-06385	316	425	37,0	0,13	0,14	0,59	0,013	0,039

ROUND BARS IN QUALITY ACCORDING TO ASTM A36/A6

SIZE(MM)	LENGTH(M)	Heat No	Yield Point N/mm2	Tensile Strength N/mm2	Elong. (%)	C(%)	Si(%)	Mn(%)	P(%)	S(%)
1/4"	20	4980	323	439	38,2	0,17	0,16	0,60	0,024	0,036
3/8"	20	4981	342	469	36,5	0,16	0,15	0,69	0,017	0,024
1/2"	20	4982	337	454	37,3	0,17	0,19	0,64	0,021	0,028
3/4"	20	4982	335	451	37,0	0,17	0,19	0,64	0,021	0,028

C=Carbon
Si=Silicon
Mn=Manganese
P=Phosphorus
S=Sulphur



**KAPTAN DEMİR ÇELİK
ENDÜSTRİSİ ve TİCARET A.Ş.**

KAPTAN DEMİR ÇELİK ENDÜSTRİSİ ve TİCARET A.Ş.
Fahrettin Kerim Gökay Caddesi Beşiktaş Sarıyerli Kaynak Sokak No: 2 34652 Allunitede / Üsküdar / İstanbul / Türkiye • Tel.: (0216) 547 49 00 pbx • Faks: (0216) 428 74 74 pbx
e-mail: info@kaptandemir.com.tr • http://www.kaptandemir.com.tr