

Project Manager
GCC,Lahore. (Gulberg City Center,Gulberg II Lahore)

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: Nil

SOM Lab

Ref: 3937 (Page-1/1)

Dated: 08-04-2024

Dated: 08-04-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AK Smelters)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.560	8	0.979	0.79	0.752	25.35	34.10	70780	74350	95190	100000	1.30	8.0	16.3	
2	1.512	6	0.752	0.44	0.444	17.79	22.70	89160	88360	113790	112760	1.00	8.0	12.5	
3	0.664	4	0.498	0.20	0.195	6.88	9.04	75880	77820	99710	102260	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk