

Abdul Ghafar
Project Manager Liberty Builders, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: ST/UET/ 20200806

SOM Lab

Ref: 2805(Page-1/1)

Dated: 06-08-2020

Dated: 06-08-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(AF Steel)

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	1.479	6	0.744	0.44	0.435	13.58	19.16	68060	68840	96060	97160	1.10	8.0	13.8	
2	1.472	6	0.743	0.44	0.433	14.32	19.83	71790	72950	99380	100990	1.00	8.0	12.5	
3	1.476	6	0.743	0.44	0.434	14.68	19.52	73580	74600	97850	99200	1.00	8.0	12.5	
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BEND TEST:

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

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

Muhammad Faheem Shahzad
Municipal Officer (Infrastructure) Municipal Committee Jaranwala

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 250-G/MCJ

SOM Lab

Ref: 2806(Page-1/1)

Dated: 15-07-2020

Dated: 06-08-2020

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

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	0.665	4	0.498	0.20	0.195	7.05	8.69	77790	79780	95770	98230	1.10	8.0	13.8	
2	0.665	4	0.498	0.20	0.195	6.98	8.66	77000	78980	95550	98000	1.00	8.0	12.5	
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BEND TEST:

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

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