

Muazzam Akram
Gujranwala

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: nil

SOM Lab

Ref: 3110(Page-1/1)

Dated: 15-10-2020

Dated: 15-10-2020

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	2.668	8	0.999	0.79	0.784	25.66	34.51	71630	72180	96330	97070	1.40	8.0	17.5	
2	2.758	8	1.016	0.79	0.811	24.54	36.26	68500	66730	101230	98600	1.40	8.0	17.5	
3	1.461	6	0.739	0.44	0.429	13.25	19.59	66430	68130	98210	100720	1.10	8.0	13.8	
4	1.450	6	0.736	0.44	0.426	13.37	19.72	67040	69240	98870	102120	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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	

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

Abdul Ghafar
Project Manager Liberty Builders, Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: ST/UET/ 20201015-34

Dated: 15-10-2020

SOM Lab

Ref: 3111(Page-1/1)

Dated: 15-10-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Moiz 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	2.654	8	0.997	0.79	0.780	23.50	35.73	65600	66440	99750	101020	1.30	8.0	16.3	
2	2.652	8	0.996	0.79	0.779	23.50	35.42	65600	66520	98890	100290	1.30	8.0	16.3	
3	2.662	8	0.998	0.79	0.782	26.17	36.03	73050	73800	100600	101630	1.30	8.0	16.3	
4	0.674	4	0.502	0.20	0.198	6.37	8.84	70260	70970	97460	98440	1.40	8.0	17.5	
5	0.666	4	0.500	0.20	0.196	6.34	8.79	69920	71350	96900	98880	1.30	8.0	16.3	
6	0.663	4	0.498	0.20	0.195	6.32	8.77	69700	71480	96670	99150	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

Abdul Ghafar
Project Manager Liberty Builders, Lahore

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

Client Reference: ST/UET/ 20201015-32

SOM Lab

Ref: 3112(Page-1/1)

Dated: 15-10-2020

Dated: 15-10-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Moiz 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	2.659	8	0.997	0.79	0.781	24.57	34.86	68590	69380	97330	98450	1.50	8.0	18.8	
2	2.683	8	1.002	0.79	0.788	23.65	34.73	66020	66190	96960	97200	1.60	8.0	20.0	
3	2.648	8	0.995	0.79	0.778	24.69	34.63	68930	69990	96670	98160	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	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