

Amein Uddin

**Test Performed By:**

Dr. /Engr.

Asad Ali Gillani

PM Project Majeed Associates Ltd.(Const.of ABL Warehouse Pakpattan Rd Sahiwal)

**Client Reference:** Nil**Dated:** 17-03-2022**SOM Lab Ref:** CED/SOM/6085(Page-1/1)**Dated:** 17-03-2022**Test:** Tension Test & Bend Test**Test Specification:** ASTM-A 615**Sample Type:** Deformed Bar (AFCO Steel)**Gauge Length:** 200 mm

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)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.792	25	24.80	491	483	267.50	358.70	545	554	731	743	32.5	200	16.3	
2	3.807	25	24.85	491	485	268.50	363.00	547	554	739	749	30.0	200	15.0	
3	2.418	20	19.80	314	308	149.00	190.50	474	484	606	619	27.5	200	13.8	
4	2.424	20	19.83	314	309	151.10	192.50	481	490	613	624	27.5	200	13.8	
5	0.879	12	11.94	113	112	59.20	71.00	523	529	628	635	25.0	200	12.5	
6	0.875	12	11.92	113	112	62.00	72.70	548	556	643	652	27.5	200	13.8	
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**BEND TEST:**

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	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](http://www.uet-civil.edu.pk)

Syed Abul Jabbar  
GM Engg. Cotton Web Ltd.Lahore.(New Office Building Lot #4)

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

**Client Reference:** Nil

**SOM Lab**

**Ref:** 6071 (Page-1/1)

**Dated:** 14-03-2022

**Dated:** 17-03-2022

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar (FF Steel)

ASTM-A-615

Deformed Bar (FF 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.669	8	0.999	0.79	0.784	25.48	35.24	71150	71690	98380	99130	1.20	8.0	15.0	
2	2.672	8	1.000	0.79	0.785	25.13	35.14	70150	70600	98100	98720	1.40	8.0	17.5	
3	1.531	6	0.757	0.44	0.450	13.20	18.57	66170	64700	93100	91030	1.20	8.0	15.0	
4	1.517	6	0.754	0.44	0.446	14.17	18.81	71020	70070	94270	93000	1.40	8.0	17.5	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Sub Divisional officer,

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

BSD No.2 Mianwali.(Re-Const. Of Dangerous Class Rooms Of School In U.C Thamay Wali..)

**Client Reference:** 84

**SOM Lab**

**Ref:** 6072 (Page-1/1)

**Dated:** 14-02-2022

**Dated:** 17-03-2022

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.517	6	0.754	0.44	0.446	16.06	19.88	80480	79390	99640	98300	1.10	8.0	13.8	
2	1.547	6	0.761	0.44	0.455	16.18	20.20	81090	78420	101270	97930	1.10	8.0	13.8	
3	0.646	4	0.492	0.20	0.190	5.58	8.15	61490	64730	89930	94660	1.20	8.0	15.0	
4	0.631	4	0.485	0.20	0.185	5.68	7.59	62610	67690	83750	90540	1.20	8.0	15.0	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Six 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](http://www.uet-civil.edu.pk)

Engr. Shair Muhammad  
Resident Engineer, Osmani & Compny, Faisalabad

Test Performed By: Dr. /Engr. Asad Ali

Client Reference: CRE/M4IC/AIIC-02/Lab/08

SOM Lab

Ref: 6073 (Page-1/1)

Dated: 14-03-2022

Dated: 17-03-2022

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.081	5	0.636	0.31	0.318	9.55	13.25	67960	66250	94280	91910	1.20	8.0	15.0	
2	1.086	5	0.637	0.31	0.319	9.48	13.05	67450	65540	92830	90210	1.30	8.0	16.3	
3	0.703	4	0.513	0.20	0.207	6.95	9.14	76660	74070	100830	97420	1.20	8.0	15.0	
4	0.711	4	0.516	0.20	0.209	6.98	9.19	77000	73690	101390	97030	1.20	8.0	15.0	
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**BEND TEST:**

# 5	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three 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](http://www.uet-civil.edu.pk)

Engr.Arshad Khalid Awan

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Sr Project Manager Fantasy Plaza Const.(Fantasy Plaza Dream Gardens,Lahore)

Client Reference: Nil

SOM Lab

Ref:

6074 (Page-1/1)

Dated: 15-03-2022

Dated:

17-03-2022

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.583	8	0.983	0.79	0.759	26.30	33.89	73420	76420	94620	98490	1.50	8.0	18.8	
2	2.588	8	0.984	0.79	0.761	26.07	31.75	72770	75540	88650	92030	1.50	8.0	18.8	
3	1.489	6	0.747	0.44	0.438	15.19	19.11	76130	76480	95800	96240	1.30	8.0	16.3	
4	1.489	6	0.747	0.44	0.438	15.49	19.59	77670	78020	98210	98650	1.20	8.0	15.0	
5	0.593	4	0.471	0.20	0.174	6.19	7.14	68230	78430	78690	90450	1.00	8.0	12.5	
6	0.592	4	0.471	0.20	0.174	6.29	7.24	69360	79720	79810	91740	1.00	8.0	12.5	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine 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](http://www.uet-civil.edu.pk)

Sub Divisional officer,

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

HSD BWN.(Rehabilitation Of Metaled Rd From Bwn Mandi Sadiq Gunj Rd To Bela Singh Kokora)

**Client Reference:** 459/BWN

**SOM Lab**

**Ref:** 6075 (Page-1/2)

**Dated:** 07-02-2022

**Dated:** 17-03-2022

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.660	6	0.788	0.44	0.488	13.66	18.30	68470	61740	91720	82700	1.30	8.0	16.3	
2	1.471	6	0.742	0.44	0.432	17.53	20.18	87880	89510	101170	103040	1.30	8.0	16.3	
3	0.655	4	0.494	0.20	0.192	6.65	8.61	73290	76350	94990	98940	1.00	8.0	12.5	
4	0.651	4	0.493	0.20	0.191	5.93	8.66	65420	68510	95550	100050	1.20	8.0	15.0	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Six 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](http://www.uet-civil.edu.pk)

Sub Divisional officer,  
HSD BWN.(Const Of Metaklled Rd From Qasimka Rd To Abadi Peer Jaja)

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

**Client Reference:** 539/BWN

**SOM Lab**

**Ref:** 6075 (Page-2/2)

**Dated:** 01-03-2022

**Dated:** 17-03-2022

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.627	6	0.780	0.44	0.478	20.03	24.57	100400	92420	123140	113350	1.10	8.0	13.8	
2	1.624	6	0.779	0.44	0.477	12.97	18.47	65000	59950	92590	85400	1.50	8.0	18.8	
3	0.651	4	0.493	0.20	0.191	7.59	9.25	83750	87690	101960	106760	1.00	8.0	12.5	
4	0.626	4	0.484	0.20	0.184	6.70	8.63	73850	80280	95210	103490	1.00	8.0	12.5	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Six 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](http://www.uet-civil.edu.pk)

Executive Engineer

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

Qadirabad Balloki Link Canal Div.Farooqabad.(New QB link office Complex Residences & Boundary)

Client Reference: 200/7-G-I

SOM Lab

Ref: 6076 (Page-1/1)

Dated: 15-03-2022

Dated: 17-03-2022

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.478	4	0.422	0.20	0.140	4.20	6.24	46320	66160	68800	98280	1.10	8.0	13.8	
2	0.508	4	0.436	0.20	0.149	4.61	7.29	50810	68200	80370	107880	1.00	8.0	12.5	
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**BEND TEST:**

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

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)



Guarantee Engineers Pvt.Ltd.

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Director,(Project:- Magna Textile Industries Pvt Ltd At Sahianwala Faisalabad)

Client Reference: GR/PROJECTS/05/01

SOM Lab

Ref: 6077 (Page-1/1)

Dated: 16-03-2022

Dated: 17-03-2022

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.579	8	0.982	0.79	0.758	25.84	33.86	72140	75190	94540	98530	1.30	8.0	16.3	
2	2.607	8	0.988	0.79	0.766	25.71	34.15	71770	74020	95340	98320	1.40	8.0	17.5	
3	1.010	5	0.615	0.31	0.297	11.01	13.37	78330	81750	95150	99310	1.10	8.0	13.8	
4	1.014	5	0.616	0.31	0.298	10.83	13.35	77020	80120	95000	98830	1.10	8.0	13.8	
5	0.637	4	0.488	0.20	0.187	5.47	8.02	60370	64560	88470	94620	1.30	8.0	16.3	
6	0.635	4	0.488	0.20	0.187	5.47	8.10	60370	64560	89370	95580	1.10	8.0	13.8	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Six Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Kashif Riaz

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

PM Kashif Riaz & Associates.(Const.Of Infra Structure Work Akhuwat Uni Mustafabad Kasur)

Client Reference: 01/LAB/02

SOM Lab

Ref: 6078 (Page-1/1)

Dated: 17-03-2022

Dated: 17-03-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Mughal 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.613	8	0.989	0.79	0.768	26.68	34.71	74480	76610	96900	99680	1.30	8.0	16.3	
2	1.487	6	0.746	0.44	0.437	16.41	20.00	82260	82830	100250	100940	1.10	8.0	13.8	
3	0.655	4	0.494	0.20	0.192	6.93	8.53	76440	79620	94090	98010	1.00	8.0	12.5	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Dr.Muhammad Masood Ahmad

**Test Performed By:**

**Dr. /Engr. Asad Ali Gillani**

RE,Barrage,IBC.(Rehabilitation And Modernization Of IB.Const. Of Building At IB Irrigation Colony)

**Client Reference:** IBC/RE/UET-003

**SOM Lab**

**Ref:** 6079 (Page-1/1)

**Dated:** 16-03-2022

**Dated:** 17-03-2022

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:**

Deformed Bar (Agha 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.664	6	0.789	0.44	0.489	15.70	21.20	78690	70800	106280	95630	1.30	8.0	16.3	
2	1.680	6	0.793	0.44	0.494	15.80	21.56	79200	70540	108070	96250	1.10	8.0	13.8	
3	1.676	6	0.792	0.44	0.493	16.00	21.76	80220	71600	109090	97360	1.40	8.0	17.5	
4	1.680	6	0.793	0.44	0.494	15.90	21.58	79710	71000	108170	96350	1.30	8.0	16.3	
5	0.597	4	0.472	0.20	0.175	6.22	7.92	68570	78370	87340	99820	1.20	8.0	15.0	
6	0.602	4	0.475	0.20	0.177	6.29	7.97	69360	78370	87910	99330	1.10	8.0	13.8	
7	0.598	4	0.473	0.20	0.176	6.34	8.05	69920	79450	88800	100910	1.00	8.0	12.5	
8	0.598	4	0.473	0.20	0.176	6.19	7.95	68230	77540	87680	99640	1.20	8.0	15.0	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Twelve Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	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](http://www.uet-civil.edu.pk)

Dr.Muhammad Masood Ahmad

**Test Performed By:**

Dr. /Engr. Asad Ali Gillani

RE,Barrage,IBC.(Rehabilitation And Modernization Of IB.Const. Of Building At IB Irrigation Colony)

**Client Reference:** IBC/RE/UET-002

**SOM Lab**

**Ref:** 6080 (Page-1/1)

**Dated:** 16-03-2022

**Dated:** 17-03-2022

**Test:** Tension Test & Bend Test

**Test Specification:**

ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:**

Deformed Bar (Pak 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.664	4	0.498	0.20	0.195	4.43	6.09	48900	50150	67110	68830	1.70	8.0	21.3	
2	0.678	4	0.503	0.20	0.199	4.49	6.49	49460	49710	71610	71970	1.60	8.0	20.0	
3	0.652	4	0.494	0.20	0.192	4.35	6.27	48000	50000	69130	72010	1.50	8.0	18.8	
4	0.655	4	0.494	0.20	0.192	4.08	5.78	44970	46840	63740	66390	1.60	8.0	20.0	
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**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Six 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](http://www.uet-civil.edu.pk)

Sub Divisional officer,  
 BSD Hafizabad.(Const.Of The Building DPO Office Hafizabad)

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

**Client Reference:** 1110/HZ

**SOM Lab**

**Ref:** 6081 (Page-1/1)

**Dated:** 11-03-2022

**Dated:** 17-03-2022

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.681	8	1.002	0.79	0.788	28.59	38.48	79830	80030	107430	107700	1.20	8.0	15.0	
2	2.672	8	1.000	0.79	0.785	27.88	37.46	77830	78330	104580	105250	1.00	8.0	12.5	
3	1.499	6	0.749	0.44	0.441	14.63	20.92	73320	73160	104850	104610	1.10	8.0	13.8	
4	1.496	6	0.748	0.44	0.440	14.53	20.74	72810	72810	103980	103980	1.20	8.0	15.0	
5	0.696	4	0.511	0.20	0.205	6.78	8.92	74750	72930	98360	95960	1.00	8.0	12.5	
6	0.702	4	0.512	0.20	0.206	6.80	9.02	74980	72800	99480	96590	1.20	8.0	15.0	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine 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](http://www.uet-civil.edu.pk)

Tahir Mehmood

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Chief Engr. Zaitoon, New Lahore City. (Const Of Jamia Mosque New Lahore City Ph-III)

Client Reference: NLC/CE/037

SOM Lab

Ref:

6083 (Page-1/1)

Dated: 17-03-2022

Dated:

17-03-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Model 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.632	8	0.992	0.79	0.773	22.70	34.51	63380	64770	96330	98450	1.40	8.0	17.5	
2	2.630	8	0.992	0.79	0.773	24.26	36.49	67730	69220	101880	104120	1.30	8.0	16.3	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

ASM Builders.  
Lahore.(Const. Of Jamia Mosque New Lahore City.)

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

Client Reference: Nil

SOM Lab

Ref: 6084 (Page-1/1)

Dated: 17-03-2022

Dated: 17-03-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Koh-e-Noor 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.602	8	0.987	0.79	0.765	24.11	32.18	67310	69500	89840	92780	1.50	8.0	18.8	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Two Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Test Performed by: .S. Asad Ali Gillani

Muhammad Qasim  
Polymer Tek  
Lahore.

Client Reference No.:T-22001

Dated: 17-03-2022

SOM Lab Ref: CED/SOM/6082 (Page 1/2)

Dated: 17-03-2022

Test Type: Tension Test

Sample Type: Fiber Glass Profiles

### Load Test Results

Sample No.	Sample Type	Area (mm <sup>2</sup> )	Ultimate Breaking Load (kN)	Ultimate Breaking Strength (MPa)	Remarks
1	Bar (7mm)	38.48	13.5	350.79	
2	Bar (10mm)	78.53	30.0	381.97	
3	Bar (20mm)	314.15	91.5	291.25	
4	Pipe (3mm)	42.0	18.5	440.47	

Note: Please always confirm the results on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)



**Test Performed by:** .S. Asad Ali Gillani

Muhammad Qasim  
Polymer Tek  
Lahore.

**Client Reference No.:**T-22002

Dated: 17-03-2022

**SOM Lab Ref:** CED/SOM/6082 (Page 2/2)

Dated: 17-03-2022

**Test Type:** Load Test

**Sample Type:** Fiber Glass Profiles

### Load Test Results

Sample No.	Sample Type	Ultimate Breaking Load (kN)	Remarks
1	HH Channel (100mm)	18.50	
2	Tube (76x53x5mm)	228.50	
3	Column (4.75"OD 5mm)	342.20	
4	Column Base	152.20	

**Note:** Please always confirm the results on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

