

Sohaib Ashraf

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM United LifeStyle Pvt. Ltd.(Constructing a High rise Building" Skyscraper By United" Lahore)

Client Reference: ULS/2021-22/007

SOM Lab

5954 (Page-

Ref:

1/4)

Dated: 26-02-2022

Dated:

28-02-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.667	4	0.500	0.20	0.196	6.68	8.97	73630	75130	98920	100940	1.30	8.0	16.3	
2	0.671	4	0.501	0.20	0.197	6.63	8.99	73070	74180	99150	100660	1.40	8.0	17.5	
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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

Sohaib Ashraf

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM United LifeStyle Pvt. Ltd.(Constructing a High rise Building" Skyscraper By United" Lahore)

Client Reference: ULS/2021-22/006

SOM Lab

5954 (Page-

Ref:

2/4)

Dated: 24-02-2022

Dated:

28-02-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.673	4	0.502	0.20	0.198	6.57	8.89	72510	73240	98020	99010	1.10	8.0	13.8	
2	0.678	4	0.503	0.20	0.199	6.44	8.87	71040	71400	97800	98290	1.10	8.0	13.8	
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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

Sohaib Ashraf

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM United LifeStyle Pvt. Ltd.(Constructing a High rise Building" Skyscraper By United" Lahore)

Client Reference: ULS/2021-22/005

SOM Lab

5954 (Page-

Ref:

3/4)

Dated: 24-02-2022

Dated:

28-02-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.603	8	0.987	0.79	0.765	26.71	39.75	74560	77000	110960	114580	1.20	8.0	15.0	
2	2.636	8	0.993	0.79	0.775	27.17	40.13	75840	77310	112040	114210	1.20	8.0	15.0	
3	1.505	6	0.750	0.44	0.442	14.09	19.54	70620	70300	97950	97510	1.40	8.0	17.5	
4	1.496	6	0.748	0.44	0.440	14.80	20.03	74190	74190	100400	100400	1.30	8.0	16.3	
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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	

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

Sohaib Ashraf

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM United LifeStyle Pvt. Ltd.(Constructing a High rise Building" Skyscraper By United" Lahore)

Client Reference: ULS/2021-22/008

SOM Lab

5954 (Page-

Ref:

4/4)

Dated: 26-02-2022

Dated:

28-02-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.674	8	1.000	0.79	0.786	25.89	34.45	72290	72650	96190	96680	1.70	8.0	21.3	
2	2.656	8	0.997	0.79	0.781	22.83	33.23	63750	64480	92770	93840	1.60	8.0	20.0	
3	1.506	6	0.751	0.44	0.443	14.24	19.59	71380	70900	98210	97540	1.30	8.0	16.3	
4	1.507	6	0.751	0.44	0.443	13.73	19.06	68830	68360	95550	94900	1.40	8.0	17.5	
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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	

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

Premier Developer & Builders

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Project Manager .(Lyallpur Galleria-II Near Four Season Colony Samundri Road,FSD)

Client Reference: LG-II/010

SOM Lab

5955 (Page-

Ref:

1/1)

Dated: 25-02-2022

Dated:

28-02-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.528	6	0.756	0.44	0.449	16.13	20.51	80830	79210	102800	100740	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

6

Sample bend through 180 degrees Satisfactorily without any crack

Note:-Only Two Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

Executive Engineer(B&W)

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

UVAS,Lhr.(Provision Of Urgently needed Female Hostel Facilities At UVAS At Ravi Campus,Pattoki)

Client Reference: No. E.E 725

SOM Lab 5956 (Page-

Ref: 1/1)

Dated: 25-02-2022

Dated: 28-02-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: 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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.674	8	1.000	0.79	0.786	27.42	35.98	76550	76940	100460	100970	1.50	8.0	18.8	
2	1.499	6	0.749	0.44	0.441	14.78	20.18	74090	73920	101170	100940	1.30	8.0	16.3	
3	0.661	4	0.497	0.20	0.194	6.17	8.61	68010	70110	94990	97920	1.50	8.0	18.8	
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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

Anjum Choudhry
Production Manager Izhar Concrete Pvt Ltd.Lahore.

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

Client Reference: Nil

SOM Lab 5957 (Page-

Ref: 1/1)

Dated: 24-02-2022

Dated: 28-02-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.664	8	0.998	0.79	0.783	24.84	36.11	69350	69970	100800	101700	1.50	8.0	18.8	
2	2.658	8	0.997	0.79	0.781	24.77	35.60	69160	69950	99380	100520	1.40	8.0	17.5	
3	2.658	8	0.997	0.79	0.781	24.59	34.96	68640	69430	97610	98740	1.40	8.0	17.5	
4	1.009	5	0.615	0.31	0.297	7.97	12.20	56710	59200	86810	90610	1.50	8.0	18.8	
5	1.003	5	0.613	0.31	0.295	7.97	12.00	56710	59600	85360	89700	1.30	8.0	16.3	
6	0.670	5	0.501	0.31	0.197	8.00	12.18	56930	89590	86670	136370	1.20	8.0	15.0	
7	0.657	4	0.496	0.20	0.193	7.70	8.94	84870	87950	98580	102160	1.00	8.0	12.5	
8	0.658	4	0.496	0.20	0.193	6.90	8.28	76100	78860	91280	94590	1.10	8.0	13.8	
9	0.661	4	0.497	0.20	0.194	6.57	8.69	72510	74750	95770	98740	1.00	8.0	12.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 5	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

Malik Steel
 Malik Steel Sales Depot Lahore.*(Five Star)

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

Client Reference: Nil

SOM Lab 5958 (Page-1/1)
 Ref: 1/1

Dated: 28-02-2022

Dated: 28-02-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.477	6	0.743	0.44	0.434	11.62	17.86	58250	59060	89520	90760	1.10	8.0	13.8	
2	1.473	6	0.743	0.44	0.433	11.74	17.84	58860	59820	89420	90860	1.10	8.0	13.8	
3	0.660	4	0.497	0.20	0.194	5.56	8.46	61270	63160	93300	96190	1.10	8.0	13.8	
4	0.688	4	0.507	0.20	0.202	5.98	9.04	65990	65330	99710	98720	0.90	8.0	11.3	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- 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

M. Saleem
Construction Company Engrs & Contractors, Sheikhpura.

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

Client Reference: Nil

SOM Lab Ref: 5959 (Page-1/1)

Dated: 28-02-2022

Dated: 28-02-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.633	8	0.993	0.79	0.774	24.03	32.49	67080	68460	90700	92570	1.20	8.0	15.0	
2	0.642	4	0.491	0.20	0.189	6.09	8.58	67110	71020	94650	100160	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four 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

Safdar Hussain

Test Performed By:

Dr. /Engr. Asad Ali Gillani

RE ACE, Danish School Mankera. (Estb Of Daanish School (Boys & Girls) At Mankera Distt. Bhakkar)

Client Reference: ACE/RE-PDS/MNK/BHK/22/492

SOM Lab 5960 (Page-

Ref: 1/1)

Dated: 13-02-2022

Dated: 28-02-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.644	6	0.784	0.44	0.483	18.06	22.88	90540	82480	114710	104500	1.20	8.0	15.0	
2	1.629	6	0.781	0.44	0.479	17.84	22.68	89420	82140	113690	104430	1.10	8.0	13.8	
3	1.009	5	0.615	0.31	0.297	10.47	14.88	74480	77740	105880	110520	1.00	8.0	12.5	
4	1.003	5	0.613	0.31	0.295	10.37	14.83	73760	77510	105520	110890	1.00	8.0	12.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 5	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

Sub Divisional officer,

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

BSD No-I Gujrat.(Const Of Additional Multi Storied Barracks In All Jails Of punjanb)

Client Reference: 1174-AHC/

SOM Lab

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Ref:

1/1)

Dated: 26-02-2022

Dated:

28-02-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.539	6	0.759	0.44	0.452	10.91	16.00	54670	53220	80220	78090	1.70	8.0	21.3	
2	0.676	4	0.503	0.20	0.199	5.20	7.39	57330	57620	81500	81910	1.70	8.0	21.3	
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BEND TEST:

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

Bismillah Developers
 PO Bismillah Housing Scheme I Lahore.(Bismillah Home)

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

Client Reference: Nil

SOM Lab 5962 (Page-

Ref: 1/1)

Dated: 28-02-2022

Dated: 28-02-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (ARS Supreme)

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	0.504	4	0.434	0.20	0.148	5.58	9.68	61490	83090	106790	144310	0.50	8.0	6.3	
2	0.504	4	0.434	0.20	0.148	5.47	9.63	60370	81570	106230	143550	0.60	8.0	7.5	
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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

Baig Construction Co.
Lahore.(620-B Jubilee Town (Panagah))

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

Client Reference: Nil

SOM Lab 5963 (Page-1/1)
Ref:

Dated: 28-02-2022

Dated: 28-02-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.609	8	0.988	0.79	0.767	23.82	34.27	66510	68500	95680	98550	1.50	8.0	18.8	
2	2.607	8	0.988	0.79	0.766	24.94	34.96	69640	71820	97610	100670	1.40	8.0	17.5	
3	1.472	6	0.743	0.44	0.433	14.14	19.98	70870	72020	100150	101770	1.20	8.0	15.0	
4	1.481	6	0.744	0.44	0.435	14.14	19.75	70870	71690	98970	100110	1.10	8.0	13.8	
5	0.658	4	0.496	0.20	0.193	6.34	8.12	69920	72460	89590	92840	1.10	8.0	13.8	
6	0.658	4	0.496	0.20	0.193	6.39	8.23	70480	73040	90720	94010	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- 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

G 3 Engg Consultants,

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

RE G3 Engg.(Consult.Services For Master Planning,Desig& Const. Superv Stength Of Uni Of Nrw)

Client Reference: G3/UON-RE/94

SOM Lab 5864 (Page-1/1)

Dated: 09-02-2022

Dated: 28-02-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.469	6	0.742	0.44	0.432	10.62	17.28	53240	54230	86610	88210	1.60	8.0	20.0	
2	1.466	6	0.741	0.44	0.431	10.70	17.48	53650	54770	87630	89460	1.60	8.0	20.0	
3	0.680	4	0.505	0.20	0.200	7.19	9.50	79250	79250	104770	104770	1.00	8.0	12.5	
4	0.673	4	0.502	0.20	0.198	7.14	9.43	78690	79480	103980	105030	1.10	8.0	13.8	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- 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

Sub Divisional officer,

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

BSD Pirmahal.(Provision Of Additional ClassRoms Govt Fareed Bakhsh Associate College For Boys)

Client Reference: 152/

SOM Lab 5965 (Page-

Ref: 1/1)

Dated: 14-02-2022

Dated: 28-02-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.636	8	0.993	0.79	0.775	26.40	35.04	73710	75130	97810	99700	1.60	8.0	20.0	
2	2.598	8	0.986	0.79	0.763	25.81	34.40	72060	74610	96050	99450	1.60	8.0	20.0	
3	1.445	6	0.736	0.44	0.425	13.46	18.60	67450	69830	93250	96540	1.50	8.0	18.8	
4	1.470	6	0.742	0.44	0.432	13.83	19.11	69340	70620	95800	97580	1.40	8.0	17.5	
5	0.670	4	0.501	0.20	0.197	6.34	8.74	69920	70990	96340	97800	1.10	8.0	13.8	
6	0.673	4	0.502	0.20	0.198	6.44	8.77	71040	71760	96670	97650	1.00	8.0	12.5	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- 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