

Aamir Shahzad
Alvi

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

PM High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

Client Reference: QC/HQ/CIVIL/136

Dated : 20-09-2023

SOM Lab Ref: CED/SOM/2899(Page-1/1)

Dated : 20-09-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

Gauge Length: 200 m

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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	m	%	
1	4.644	28	27.46	616	592	294.00	422.50	477	497	686	714	32.5	200	16.3	
2	4.615	28	27.36	616	588	287.20	414.00	466	489	672	705	35.0	200	17.5	
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BEND TEST:

28mm	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

Mirza Muhammad Shahzad,RE

Test Performed By: Dr. /Engr. Wasim Abbas

Nespak Lahore.(Const Of Multi-Level Grade Separation Flyover at Shahdra Morr Lahore)

Client Reference: 4537/03/MSA/09/120

SOM Lab

Ref: 2893 (Page-1/2)

Dated: 14-09-2023

Dated: 18-09-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.614	8	0.989	0.79	0.768	25.86	34.68	72200	74270	96820	99590	1.60	8.00	20.0	B-4534
2	2.612	8	0.989	0.79	0.768	25.66	34.78	71630	73680	97100	99880	1.40	8.00	17.5	B-4534
3	1.470	6	0.742	0.44	0.432	14.53	18.37	72810	74160	92070	93780	1.20	8.00	15.0	A-1444
4	1.489	6	0.747	0.44	0.438	14.34	18.11	71890	72220	90800	91210	1.20	8.00	15.0	B-4554
5	1.476	6	0.743	0.44	0.434	14.24	18.17	71380	72370	91050	92310	1.40	8.00	17.5	D-9065
6	1.045	5	0.625	0.31	0.307	10.27	13.43	73030	73750	95510	96450	1.40	8.00	17.5	B-8945
7	1.045	5	0.625	0.31	0.307	10.21	13.40	72670	73380	95370	96300	1.30	8.00	16.3	E-9631
8	0.665	4	0.498	0.20	0.195	6.75	8.61	74420	76320	94990	97420	1.10	8.00	13.8	E-9631
9	0.656	4	0.496	0.20	0.193	6.54	8.53	72170	74790	94090	97500	1.00	8.00	12.5	E-9631
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BEND TEST:

Sr #(1)	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Sixteen Samples Received and Tested
Sr # (3-5)	Sample bend through 180 degrees Satisfactorily without any crack	
Sr (6-7)	Sample bend through 180 degrees Satisfactorily without any crack	
Sr (8)	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

Mirza Muhammad Shahzad,RE

Test Performed By: Dr. /Engr. Wasim Abbas

Nespak Lahore.(Const Of Multi-Level Grade Separation Flyover at Shahdra Morr Lahore)

Client Reference: 4537/03/MSA/09/121

SOM Lab

Ref: 2893 (Page-2/2)

Dated: 15-09-2023

Dated: 18-09-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.614	8	0.989	0.79	0.768	26.88	34.32	75050	77200	95820	98560	1.50	8.0	18.8	E-9737
2	2.622	8	0.991	0.79	0.771	27.39	34.73	76470	78350	96960	99350	1.50	8.0	18.8	E-9737
3	1.476	6	0.743	0.44	0.434	14.70	19.37	73680	74700	97080	98420	1.40	8.0	17.5	E-9732
4	1.485	6	0.745	0.44	0.436	14.55	19.29	72910	73580	96670	97560	1.40	8.0	17.5	E-9732
5	1.034	5	0.622	0.31	0.304	9.84	12.30	69990	71370	87540	89260	1.30	8.0	16.3	A-1362
6	1.027	5	0.620	0.31	0.302	9.84	12.30	69990	71840	87540	89850	1.20	8.0	15.0	A-1362
7	0.670	4	0.501	0.20	0.197	6.49	8.48	71610	72700	93530	94950	1.10	8.0	13.8	A-1524
8	1.075	4	0.634	0.20	0.316	6.73	8.79	74190	46960	96900	61330	1.00	8.0	12.5	B-4594
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BEND TEST:

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

Engineer Muhammad Irfan
Asst Dir Infra. DHA Gujranwala.(Main Boulevard Extension)

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

Client Reference: 111/15/AD/RS/Lab/MBE/78

SOM Lab

Ref: 2894 (Page-1/1)

Dated: 24-08-2023

Dated: 20-09-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

inc

Deformed Bar (SJ

Gauge Length: 8 h

Sample Type:

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	0.664	4	0.498	0.20	0.195	7.05	8.94	77790	79780	98580	101110	1.10	8.0	13.8	
2	0.653	4	0.494	0.20	0.192	7.03	8.84	77560	80800	97460	101520	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

Engineer Muhammad Irfan
Asst Dir Infra. DHA Gujranwala.(Main Boulevard Extension)

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

Client Reference: 111/15/AD/RS/Lab/MBE/106

Dated: 13-09-2023

Test: Tension Test & Bend Test
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2895 (Page-1/1)

Dated: 20-09-2023

ASTM-A-615
Deformed Bar (SJ
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	0.656	4	0.496	0.20	0.193	6.19	8.84	68230	70710	97460	100990	1.10	8.0	13.8	
2	0.677	4	0.503	0.20	0.199	6.68	8.46	73630	74000	93300	93770	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

Engineer Muhammad Irfan
Asst Dir Infra. DHA Gujranwala.(Main Boulevard Extension)

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

Client Reference: 111/15/AD/RS/Lab/MBE/107

SOM Lab

Ref: 2896 (Page-1/1)

Dated: 13-09-2023

Dated: 20-09-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (SJ
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	1.415	6	0.728	0.44	0.416	13.99	18.32	70100	74150	91820	97120	1.30	8.0	16.3	
2	1.491	6	0.747	0.44	0.438	14.39	19.01	72150	72480	95290	95730	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

# 6	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

Saif Ullah

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

Procurement Deptt., M/S Linker Developers. (Construction of Boiler Foundation)

Client Reference: Nil

SOM Lab

Ref: 2897 (Page-1/1)

Dated: 18-09-2023

Dated: 20-09-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Afco 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	1.492	6	0.747	0.44	0.438	17.18	20.64	86100	86490	103470	103940	1.40	8.00	17.5	
2	1.512	6	0.752	0.44	0.444	16.94	20.82	84920	84160	104340	103400	1.30	8.00	16.3	
3	1.086	5	0.637	0.31	0.319	11.06	13.56	78690	76470	96460	93730	1.30	8.00	16.3	
4	1.097	5	0.640	0.31	0.322	12.23	14.70	87030	83780	104580	100680	1.20	8.00	15.0	
5	0.667	4	0.500	0.20	0.196	7.49	9.07	82620	84310	100050	102090	1.20	8.00	15.0	
6	0.666	4	0.500	0.20	0.196	7.59	9.17	83750	85460	101170	103230	1.10	8.00	13.8	
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BEND TEST:

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

Waqas Ali
Variant Gulberg 2, Lahore.

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

Client Reference: VA/29/105

SOM Lab

Ref: 2898 (Page-1/1)

Dated: 20-09-2023

Dated: 20-09-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	0.654	4	0.494	0.20	0.192	6.54	8.58	72170	75180	94650	98590	1.20	8.0	15.0	
2	0.658	4	0.496	0.20	0.193	6.54	8.66	72170	74790	95550	99010	1.20	8.0	15.0	
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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

Engr. Muhammad Zubair , RE
 ACES DHA Multan.(PC-07 along Sector T, X,W1 & W2,DHA Multan)

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

Client Reference: ACES/GEN/Lab/113

SOM Lab

Ref: 2900 (Page-1/1)

Dated: 11-09-2022

Dated: 20-09-2023

Test: Tension Test & Bend Test
 inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (SJ
 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	0.674	4	0.502	0.20	0.198	7.44	9.17	82060	82890	101170	102190	1.10	8.0	13.8	
2	0.673	4	0.502	0.20	0.198	7.26	9.25	80040	80850	101960	102990	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

Nazar Hussain, ARE

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

JERS Consultancy.(Punjab Cities Program, Const. Of SWM Parking Area in Wazirabad City)

Client Reference: 488-J01/JERS/PMDFC/MC/WZD/11

SOM Lab

Ref: 2901 (Page-1/1)

Dated: 22-08-2023

Dated: 20-09-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Def.Bar (Islamabad Diamond 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	1.339	6	0.708	0.44	0.394	10.06	15.70	50430	56320	78690	87870	1.40	8.0	17.5	
2	1.324	6	0.704	0.44	0.389	9.91	15.55	49670	56180	77920	88140	1.20	8.0	15.0	
3	0.530	4	0.446	0.20	0.156	4.15	6.17	45750	58660	68010	87190	1.20	8.0	15.0	
4	0.529	4	0.444	0.20	0.155	4.18	6.22	46090	59470	68570	88480	1.30	8.0	16.3	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Engr. Mr.Syed Hashim Hussain

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

SDM Project Azgard Nine Ltd.(Const/Upgradation Of Dryer Hall & Resin Hall)(Lot 01)

Client Reference: Az/Pro/002

Dated: 01-09-2023

Test: Tension Test & Bend Test
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2902 (Page-1/1)

Dated: 20-09-2023

ASTM-A-615

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.624	8	0.991	0.79	0.771	28.03	35.68	78260	80190	99600	102060	1.50	8.00	18.8	
2	2.610	8	0.988	0.79	0.767	27.83	35.95	77690	80020	100370	103380	1.40	8.00	17.5	
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BEND TEST:

# 8	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

Engr. Mr.Syed Hashim Hussain

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

SDM Project Azgard Nine Ltd.(Const/Upgradation Of Dryer Hall & Resin Hall)

SOM Lab

Client Reference: Az/Pro/001

Ref: 2903 (Page-1/1)

Dated: 01-09-2023

Dated: 20-09-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Ittifaq 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	2.610	8	0.988	0.79	0.767	35.95	39.86	100370	103380	111270	114610	1.20	8.0	15.0	
2	2.610	8	0.988	0.79	0.767	34.96	39.50	97610	100540	110280	113580	1.10	8.0	13.8	
3	1.497	6	0.748	0.44	0.440	14.98	19.22	75110	75110	96320	96320	1.10	8.0	13.8	
4	1.493	6	0.748	0.44	0.439	15.44	19.39	77410	77590	97180	97410	1.40	8.0	17.5	
5	0.672	4	0.501	0.20	0.197	5.98	9.07	65990	66990	100050	101570	1.00	8.0	12.5	
6	0.665	4	0.498	0.20	0.195	5.91	8.92	65200	66870	98360	100880	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

Ilyas Majeed Sheikh

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

Chairman Eagle Developes Lahore.(Dream Galleria Dream Garden Lahore)

Client Reference: Nil

SOM Lab

Ref: 2904 (Page-1/1)

Dated: 15-09-2023

Dated: 20-09-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.587	8	0.984	0.79	0.760	21.43	32.36	59820	62180	90360	93920	1.50	8.00	18.8	
2	1.509	6	0.751	0.44	0.443	13.68	19.80	68570	68110	99230	98560	1.40	8.00	17.5	
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BEND TEST:

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

Muhammad Nadeem Akhtar,RE
Nespak Lahore.(Lahore Ring Road Southern Loop Project)

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

Client Reference: Nespak/LRRA/MNA/SL-3/030

SOM Lab

Ref: 2905 (Page-1/1)

Dated: 19-09-2023

Dated: 20-09-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.567	8	0.980	0.79	0.754	26.47	34.17	73910	77440	95390	99950	1.40	8.0	17.5	
2	2.571	8	0.981	0.79	0.756	22.63	31.24	63180	66020	87230	91150	1.50	8.0	18.8	
3	0.591	4	0.471	0.20	0.174	5.35	7.41	59020	67840	81720	93930	1.20	8.0	15.0	
4	0.596	4	0.472	0.20	0.175	5.02	6.70	55310	63210	73850	84400	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
# 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

Hasnain Sheikh
 ES Consultant (Pvt) Ltd.(Const/Renovation Of Toilet Blocks at Different Heritage & Tourist Skp Site)

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

Client Reference: RE/TOL/PTEGP/ESC 13

SOM Lab

Ref: 2906 (Page-1/1)

Dated: 20-09-2023

Dated: 20-09-2023

Test: Tension Test & Bend Test
 inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	1.448	6	0.736	0.44	0.426	10.65	16.23	53400	55150	81340	84020	1.50	8.0	18.8	
2	0.546	4	0.451	0.20	0.160	4.76	6.80	52500	65620	74980	93720	1.20	8.0	15.0	
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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