

Test Performed by: Dr. Asad Ali Gillani

Engr. Abdul Rafio
CEO
Blessed Engineering Services & Technologies.
Lahore.

Client Reference No.: Blessed/UET/ARS/01

Dated: 27-09-2024

SOM Lab Ref: CED/SOM/4882(Page 1/1)

Dated: 27-09-2024

Test Type: Load Test

Sample Type: Dyneema Ropes (Dia 10mm)

Load Test Results

Sr No.	Sample Type	Ultimate /Breaking Load	Remarks
1	Dyneema Ropes	19.2 kN	Sample breaks at this load
2	Dyneema Ropes	21.0 kN	Sample breaks at this load

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

Test Performed by: S. Asad Ali Gillani

Sulman Khan
Al Rehman Steel Building System
Lahore.

Client Ref.No.: AS/UET/2024/27
SOM Lab Ref: CED/SOM/4883 (Page 1/1)
Test Type: Tensile Test
Sample Type: MS Sheets, GI Sheet

Dated: Nil
Dated: 27-09-2024

Gauge Length: 2 inches

Tensile Test Results

Sr. No.	Sample Type	Size of strip (mm)	X Section Area (mm ²)	Yield Load (kN)	Ultimate Load (kN)	Yield Stress (MPa)	Ultimate Tensile Stress (MPa)	Elongation (inch)	% Elongation
1	MS Sheet (4mm)	31.4 x 4.00	125.60	51.00	66.50	406.05	529.46	0.50	25.00
2	MS Sheet (5mm)	31.0 x 5.10	158.10	74.00	92.20	468.06	583.18	0.45	22.50
3	MS Sheet (6mm)	31.0 x 6.10	189.10	88.00	105.20	465.36	556.32	0.40	20.00
4	MS Sheet (8mm)	31.2 x 8.30	258.96	114.00	142.50	440.22	550.28	0.50	25.00
5	GI Sheet (1.5mm)	28.0 x 1.50	42.00	14.00	20.70	333.33	492.86	0.30	15.00

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

Li Wentao

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

CCECC-HCS JV.(Expension of Terminal Building and Allied Facilities at AllAP, Lahore)

Client Reference: CCECCHCSJVIIAP2024-257

SOM Lab

4881 (Page-

Ref:

1/1)

Dated: 26-09-2024

Dated:

27-09-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Makhor Industries)

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	2.612	8	0.989	0.79	0.768	23.31	32.57	65090	66950	90920	93530	1.40	8.0	17.5	
2	2.608	8	0.988	0.79	0.766	23.11	32.18	64520	66540	89840	92660	1.30	8.0	16.3	
3	1.521	6	0.754	0.44	0.447	14.07	18.86	70510	69410	94530	93050	1.30	8.0	16.3	
4	1.519	6	0.754	0.44	0.446	13.97	18.88	70000	69060	94630	93360	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

Tariq Fateh

Test Performed By: Dr. /Engr. Kashif

PM Jilani Poly Industries (Pvt) Ltd.(Const Of Jilani Poly-2 Trap Exetension Sheikhpura)

Client Reference: JP-2/UET/2023/S-006

SOM Lab 4884 (Page-1/1)

Dated: 27-09-2024

Dated: 27-09-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Markhor 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	1.467	6	0.741	0.44	0.431	13.15	18.81	65910	67290	94270	96240	1.30	8.0	16.3	
2	1.478	6	0.743	0.44	0.434	12.95	18.45	64890	65790	92480	93760	1.20	8.0	15.0	
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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

Rajab Ali, RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Nespak Taunsa.(Punjab Rural Municipa Services Company,PRSWSSP Tehsil Taunsa Pkg-I)

Client Reference: NESPAK/PRSWSSP/TAUNSA/RE/397

SOM Lab 4885 (Page-

Ref: 1/1)

Dated: 27-09-2024

Dated: 27-09-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (SGI 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	1.504	6	0.750	0.44	0.442	13.88	18.67	69590	69280	93610	93180	1.40	8.0	17.5	
2	1.493	6	0.748	0.44	0.439	14.09	18.88	70620	70780	94630	94840	1.20	8.0	15.0	
3	0.657	4	0.496	0.20	0.193	5.05	7.82	55650	57660	86220	89350	1.10	8.0	13.8	
4	0.660	4	0.497	0.20	0.194	4.96	7.77	54750	56440	85660	88310	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
# 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

Mr.Rashid Iqbal (PM)

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Ittefaq Building Solution (Pvt)Ltd.(Sazgar 05 Car Plant)(Sazgar Engg Works Car Plant)

Client Reference: Nil

SOM Lab

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Ref:

1/1)

Dated: 27-09-2024

Dated:

27-09-2024

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	2.650	8	0.996	0.79	0.779	27.32	35.95	76270	77350	100370	101790	1.50	8.0	18.8	
2	2.632	8	0.992	0.79	0.773	26.15	34.48	73000	74600	96250	98360	1.50	8.0	18.8	
3	1.483	6	0.745	0.44	0.436	14.50	19.75	72660	73330	98970	99880	1.20	8.0	15.0	
4	1.479	6	0.744	0.44	0.435	14.60	19.77	73170	74010	99070	100210	1.30	8.0	16.3	
5	0.653	4	0.494	0.20	0.192	6.22	8.46	68570	71430	93300	97190	1.00	8.0	12.5	
6	0.652	4	0.494	0.20	0.192	6.19	8.63	68230	71080	95210	99180	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

Engr. Salman Shabbir
 Syed Brothers (Pvt) Ltd. 24CCA DHA Ph-5 Lahore

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

Client Reference: Nil
 Dated: 27-09-2024

SOM Lab Ref: 4887 (Page-1/1)
 Dated: 27-09-2024

Test: Tension Test & Bend Test
 Gauge Length: 8 inch

Test Specification: ASTM-A-615
 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	2.608	8	0.988	0.79	0.766	19.16	28.54	53500	55180	79680	82180	1.50	8.0	18.8	
2	2.595	8	0.986	0.79	0.763	19.13	28.44	53420	55310	79400	82210	1.60	8.0	20.0	
3	1.492	6	0.747	0.44	0.438	13.97	18.96	70000	70320	95040	95470	1.60	8.0	20.0	
4	1.491	6	0.747	0.44	0.438	13.91	18.96	69750	70070	95040	95470	1.50	8.0	18.8	
5	0.657	4	0.496	0.20	0.193	5.10	7.59	56210	58250	83750	86780	1.20	8.0	15.0	
6	0.667	4	0.500	0.20	0.196	5.10	7.54	56210	57350	83180	84880	1.40	8.0	17.5	
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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

