

Test Performed by: .S. Asad Ali Gillani

Misha Asad
Manager Proposal & Contracts
Fiber Craft Industries, Lahore.

Client Reference No.: Nil

Dated: 07-10-2025

SOM Lab Ref: CED/SOM/1915 (Page 1/1)

Dated: 09-10-2025

Test Type: Tension

Specification: ASTM D 3093

Sample Type: Fiberglass Filament Wound Tank

Tension Test Results

Sample No.	Sample Size	Area (mm ²)	Ultimate Breaking Load (kN)	Ultimate Breaking Strength (MPa)
1	25.3 x 10.5	265.65	6.7	25.22
2	26.0 x 9.5	247.0	7.5	30.36

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

Engr.Mirza Rizwan Shabbir

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Exec Engr PWD PHE Div Kotli.(Sedimentation Tank and Slow Sand Filter No.2 & 3 Water Supply Scheme THQ Sehnsa)

Client Reference: 1115-16/XEN/PHE

SOM Lab

Ref: 1916 (Page-1/1)

Dated: 26-06-2025

Dated: 09-10-2025

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	1.543	6	0.759	0.44	0.453	13.37	21.36	67040	65120	107040	103970	1.30	8.0	16.3	
2	1.534	6	0.758	0.44	0.451	13.37	20.00	67040	65400	100250	97800	1.20	8.0	15.0	
3	1.060	5	0.630	0.31	0.312	10.70	14.27	76150	75660	101530	100880	0.80	8.0	10.0	
4	1.059	5	0.629	0.31	0.311	10.91	14.42	77600	77350	102620	102290	0.90	8.0	11.3	
5	0.699	4	0.511	0.20	0.205	6.19	9.35	68230	66570	103080	100570	1.30	8.0	16.3	
6	0.696	4	0.511	0.20	0.205	6.09	9.25	67110	65470	101960	99470	1.40	8.0	17.5	
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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

Engr.Ahsan Murad

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Assistant Engineer UET Lahore(Narowal Campus).[Solar Panel System at UET Lahore Narowal Campus]

Client Reference: Uni/RRL/ICIP/PD/1505

SOM Lab

Ref: 1917 (Page-1/1)

Dated: 02-10-2025

Dated: 09-10-2025

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	1.487	6	0.746	0.44	0.437	15.14	20.69	75880	76400	103720	104440	1.40	8.0	17.5	
2	1.466	6	0.741	0.44	0.431	14.37	19.98	72050	73550	100150	102240	1.40	8.0	17.5	
3	0.647	4	0.492	0.20	0.190	7.08	8.97	78130	82240	98920	104130	1.40	8.0	17.5	
4	0.647	4	0.492	0.20	0.190	7.26	9.09	80040	84250	100270	105550	1.30	8.0	16.3	
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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.Naeem Yousaf, ER/RE

Test Performed By:

Dr. /Engr. Asad Ali Gillani

NespaK Multan.(Const Of NADRA Regional Head Office Multan)

Client Reference: 4793/MNY/05/NADRA/304

SOM Lab

Ref: 1918 (Page-1/1)

Dated: 07-10-2025

Dated: 09-10-2025

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	1.514	6	0.753	0.44	0.445	14.37	19.54	72050	71240	97950	96850	1.30	8.0	16.3	Sheikhoo
2	1.487	6	0.746	0.44	0.437	14.68	19.64	73580	74080	98460	99140	1.30	8.0	16.3	Sheikhoo
3	1.483	6	0.745	0.44	0.436	13.91	18.40	69750	70390	92230	93070	1.30	8.0	16.3	Hunza
4	1.482	6	0.745	0.44	0.436	13.81	18.37	69240	69870	92070	92920	1.50	8.0	18.8	Hunza
5	1.453	6	0.737	0.44	0.427	14.55	18.65	72910	75130	93510	96350	1.10	8.0	13.8	FF
6	1.472	6	0.743	0.44	0.433	14.68	18.88	73580	74770	94630	96160	1.20	8.0	15.0	FF
7	1.505	6	0.750	0.44	0.442	14.09	21.68	70620	70300	108680	108190	1.20	8.0	15.0	Aziz
8	1.506	6	0.751	0.44	0.443	14.17	21.87	71020	70540	109600	108860	1.20	8.0	15.0	Aziz
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BEND TEST:

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

Arslan Ahmad
Manager Sales Model Steel Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 1919 (Page-1/1)

Dated: 09-10-2025

Dated: 09-10-2025

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	1.394	6	0.723	0.44	0.410	10.45	14.73	52380	56210	73830	79240	1.10	8.0	13.8	
2	1.390	6	0.721	0.44	0.408	10.35	14.65	51860	55930	73430	79180	0.90	8.0	11.3	
3	0.608	4	0.477	0.20	0.179	5.22	7.41	57560	64310	81720	91310	1.30	8.0	16.3	
4	0.595	4	0.472	0.20	0.175	5.35	7.61	59020	67450	83970	95970	1.40	8.0	17.5	
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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