

Test Performed by: Dr. Asad Ali Gillani

Engr. Farrukh Alvi,
Dy. General Manager (Works)
Habib Rafiq Engineering (Pvt.) Ltd, Lahore
(101 Tower, Lahore)

Client Reference No.: HRLE/SKG/2025/L-19/90-12,255-16,15-22/228(Re-Tests) Dated: 25-09-2025

SOM Lab Ref: CED/SOM/1827Page-1/1)

Dated: 25-09-2025

Test: Tensile Test

Sample Type: M.S Deformed Steel bar with Coupler (Zahid Engineering)

Tension Test Results

Sr. No.	Bar Size	Area	Yield Load	Ultimate Load	Yield Stress	Ultimate stress	Remarks
	(mm)	(mm ²)	kN	kN	(Mpa)	(Mpa)	
1	22	387	234.0	258.0	605	667	Steel Sample breaks at this load
2	16	201	92.0	122.7	458	610	Steel Sample breaks at this load
2	12	113	-	38.7	-	342	Steel Sample breaks at this load

Witnessed by : Muhammad Akram (101 Group)

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

Test Performed by: Dr. Asad Ali Gillani

Memoona Waseem,
Interior Design, 8th Semester 2025
University of Home Economics Lahore
Registration No.: BS2021-UHEL/ID-081-M

Dated: 24-09-2025

SOM Lab Ref: CED/SOM/1832 (Page-1/1)

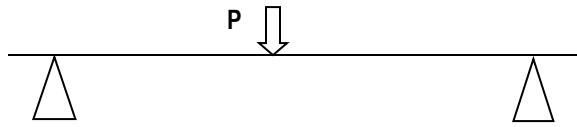
Dated: 25-09-2025

Test: Flexure Test

Sample Type: Composite Material (Plaster of Paris, Glue, Cement, Sawdust and Polyurethane Clear Coat Composite)

Load Test Results

Sr No.	Sample/Mark	Sample Size (mm)	Ultimate Load (kN)
1	Sawdust (Thin)	18.15 x 19.5	386.0
2	Sawdust (Thick)	18.35 x 19.7	377.0



Flexure Test Setup

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

Assistant Project Director

Test Performed By: Dr. /Engr. Irfan UI Hassan

PMU-SBP Faisalabad.(Estb of Sports Complex at Tehsil Pirmahal Distt Toba Tek Singh)

Client Reference: ADP/PMU/SBP/TEST/1351

SOM Lab

Ref: 1825 (Page-1/1)

Dated: 24-09-2025

Dated: 25-09-2025

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	1.517	6	0.754	0.44	0.446	14.07	19.75	70510	69560	98970	97640	1.50	8.0	18.8	
2	1.496	6	0.748	0.44	0.440	13.76	21.73	68980	68980	108940	108940	1.30	8.0	16.3	
3	0.665	4	0.498	0.20	0.195	5.83	9.12	64300	65950	100610	103190	1.20	8.0	15.0	
4	0.644	4	0.491	0.20	0.189	5.46	8.23	60250	63760	90720	95990	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

Ilyas Malik

Test Performed By:

Dr. /Engr. Irfan UI Hassan

Sr. Manager Sheranwala Developers Lhr.(Mayfair Residencia,located at Main Canal Bank Rd Lhr)

Client Reference: Nil

SOM Lab

Ref: 1826 (Page-1/1)

Dated: 25-09-2025

Dated: 25-09-2025

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	2.586	8	0.984	0.79	0.760	22.63	31.29	63180	65670	87370	90820	1.60	8.0	20.0	
2	1.453	6	0.737	0.44	0.427	13.76	19.08	68980	71080	95650	98560	1.40	8.0	17.5	
3	0.643	4	0.491	0.20	0.189	5.50	8.63	60700	64240	95210	100750	1.20	8.0	15.0	
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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

Masood Khan
Miland Builders.(Sony Heights Bahria Tower Lahore)

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

Client Reference: Nil

SOM Lab

Ref: 1828 (Page-1/1)

Dated: 25-09-2025

Dated: 25-09-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Sheikhoo 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	1.489	6	0.747	0.44	0.438	14.32	19.13	71790	72120	95910	96340	1.40	8.0	17.5	
2	1.492	6	0.747	0.44	0.438	13.99	19.06	70100	70420	95550	95990	1.40	8.0	17.5	
3	0.657	4	0.496	0.20	0.193	6.24	8.31	68800	71290	91610	94940	1.00	8.0	12.5	
4	0.658	4	0.496	0.20	0.193	6.32	8.36	69700	72220	92180	95520	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

Manager Procurement

Test Performed By:

Dr. /Engr. Irfan UI Hassan

Ravi Builders (Pvt) Ltd.(Production Hall Ext at Orient Ceramica Factory M3 Industrial City Fsd)

Client Reference: UET/RBPL/251/25

SOM Lab

Ref: 1829 (Page-1/1)

Dated: 24-09-2025

Dated: 25-09-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Def. 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	2.680	8	1.002	0.79	0.788	34.35	40.90	95900	96150	114170	114460	1.20	8.0	15.0	
2	2.653	8	0.997	0.79	0.780	26.40	34.22	73710	74650	95530	96760	1.40	8.0	17.5	
3	1.476	6	0.743	0.44	0.434	14.88	19.37	74600	75630	97080	98420	1.30	8.0	16.3	
4	1.498	6	0.748	0.44	0.440	15.19	19.52	76130	76130	97850	97850	1.40	8.0	17.5	
5	0.655	4	0.494	0.20	0.192	6.95	8.82	76660	79860	97230	101290	1.30	8.0	16.3	
6	0.655	4	0.494	0.20	0.192	6.83	8.74	75320	78450	96340	100350	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

Hamid Javid

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

AE B&R GE(Air) Rafiqui.(Const Of 02 x Smart House Qubic Block at PAF Base Rafiqui)

Client Reference: 6010/E-6

SOM Lab

Ref: 1830 (Page-1/14)

Dated: 22-09-2025

Dated: 25-09-2025

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	1.465	6	0.741	0.44	0.431	15.24	18.83	76390	77980	94370	96340	1.20	8.0	15.0	
2	0.655	4	0.494	0.20	0.192	6.63	8.26	73070	76110	91050	94850	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

Hamid Javid

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

AE B&R GE(Air) Rafiqui.(Const Of 02 x Smart House, Golf Block at PAF Base Rafiqui)

Client Reference: 6006/E-6

SOM Lab

Ref: 1830 (Page-2/14)

Dated: 22-09-2025

Dated: 25-09-2025

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	1.522	6	0.754	0.44	0.447	14.58	19.11	73070	71920	95800	94300	1.20	8.0	15.0	
2	0.678	4	0.503	0.20	0.199	6.88	8.69	75880	76260	95770	96250	1.30	8.0	16.3	
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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

Hamid Javid

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

AE B&R GE(Air) Rafiqui.(Const Of 02 x Smart House, Foxtrot Block at PAF Base Rafiqui)

Client Reference: 6005/E-6

SOM Lab

Ref: 1830 (Page-3/14)

Dated: 22-09-2025

Dated: 25-09-2025

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	1.537	6	0.759	0.44	0.452	14.95	19.62	74960	72970	98360	95750	1.20	8.0	15.0	
2	0.661	4	0.497	0.20	0.194	6.65	8.51	73290	75560	93860	96770	1.10	8.0	13.8	
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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

Hamid Javid

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

AE B&R GE(Air) Rafiqui.(Const Of 02 x Smart House, Osca Block at PAF Base Rafiqui)

Client Reference: 6009/E-6

SOM Lab

Ref: 1830 (Page-4/14)

Dated: 22-09-2025

Dated: 25-09-2025

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	1.466	6	0.741	0.44	0.431	14.55	19.03	72910	74440	95400	97390	1.10	8.0	13.8	
2	0.653	4	0.494	0.20	0.192	6.54	8.63	72170	75180	95210	99180	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

Hamid Javid

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

AE B&R GE(Air) Rafiqui.(Const Of 02 x Smart House, Vector Block at PAF Base Rafiqui)

Client Reference: 6012/E-6

SOM Lab

Ref: 1830 (Page-5/14)

Dated: 22-09-2025

Dated: 25-09-2025

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	1.515	6	0.753	0.44	0.445	12.95	20.90	64890	64160	104750	103570	1.40	8.0	17.5	
2	0.637	4	0.488	0.20	0.187	5.07	8.07	55870	59750	89030	95220	1.50	8.0	18.8	
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BEND TEST:

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

Hamid Javid

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

AE B&R GE(Air) Rafiqui.(Const Of 02 x Smart House, Siera Block at PAF Base Rafiqui)

Client Reference: 6014/E-6

SOM Lab

Ref: 1830 (Page-6/14)

Dated: 22-09-2025

Dated: 25-09-2025

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	1.544	6	0.760	0.44	0.454	14.80	20.80	74190	71900	104230	101020	1.30	8.0	16.3	
2	0.646	4	0.492	0.20	0.190	5.27	7.56	58120	61180	83410	87800	1.10	8.0	13.8	
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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

Hamid Javid

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

AE B&R GE(Air) Rafiqui.(Const Of 02 x Smart House, Tango Block at PAF Base Rafiqui)

Client Reference: 6013/E-6

SOM Lab

Ref: 1830 (Page-7/14)

Dated: 22-09-2025

Dated: 25-09-2025

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	1.526	6	0.755	0.44	0.448	15.11	20.59	75720	74370	103210	101370	1.10	8.0	13.8	
2	0.650	4	0.493	0.20	0.191	5.32	7.72	58680	61440	85100	89100	1.00	8.0	12.5	
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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

Hamid Javid

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

AE B&R GE(Air) Rafiqui.(Const Of 02 x Smart House, Romio Block at PAF Base Rafiqui)

Client Reference: 6011/E-6

SOM Lab

Ref: 1830 (Page-8/14)

Dated: 22-09-2025

Dated: 25-09-2025

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	1.485	6	0.745	0.44	0.436	13.07	21.07	65510	66110	105610	106580	1.20	8.0	15.0	
2	0.636	4	0.488	0.20	0.187	5.10	8.12	56210	60110	89590	95820	1.40	8.0	17.5	
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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

Hamid Javid

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

AE B&R GE(Air) Rafiqui.(Const Of 02 x Smart House, Echo Block at PAF Base Rafiqui)

Client Reference: 6004/E-6

SOM Lab

Ref: 1830 (Page-9/14)

Dated: 22-09-2025

Dated: 25-09-2025

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	1.530	6	0.757	0.44	0.450	14.90	19.47	74700	73040	97590	95420	1.10	8.0	13.8	
2	0.663	4	0.498	0.20	0.195	6.65	8.51	73290	75170	93860	96270	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

Hamid Javid

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

AE B&R GE(Air) Rafiqui.(Const Of 02 x Smart House, Bravo Block at PAF Base Rafiqui)

Client Reference: 6001/E-6

SOM Lab

Ref:

1830 (Page-10/14)

Dated: 22-09-2025

Dated:

25-09-2025

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	1.453	6	0.737	0.44	0.427	10.52	16.79	52730	54340	84160	86720	2.00	8.0	25.0	
2	0.661	4	0.497	0.20	0.194	6.47	8.21	71380	73590	90490	93290	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

Hamid Javid

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

AE B&R GE(Air) Rafiqui.(Const Of 02 x Smart House, Charlie Block at PAF Base Rafiqui)

Client Reference: 6002/E-6

SOM Lab

Ref: 1830 (Page-11/14)

Dated: 22-09-2025

Dated: 25-09-2025

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	1.453	6	0.737	0.44	0.427	10.52	16.48	52730	54340	82620	85140	1.40	8.0	17.5	
2	0.658	4	0.496	0.20	0.193	6.39	8.23	70480	73040	90720	94010	1.40	8.0	17.5	
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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

Hamid Javid

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

AE B&R GE(Air) Rafiqui.(Const Of 02 x Smart House, Delta Block at PAF Base Rafiqui)

Client Reference: 6003/E-6

SOM Lab

Ref:

1830 (Page-12/14)

Dated: 22-09-2025

Dated:

25-09-2025

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	1.450	6	0.736	0.44	0.426	10.47	16.48	52480	54200	82620	85340	1.10	8.0	13.8	
2	0.660	4	0.497	0.20	0.194	6.39	8.15	70480	72660	89930	92710	1.30	8.0	16.3	
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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

Hamid Javid

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

AE B&R GE(Air) Rafiqui.(Const Of 02 x Smart House, Alpha Block at PAF Base Rafiqui)

Client Reference: 6000/E-6

SOM Lab

Ref:

1830 (Page-13/14)

Dated: 22-09-2025

Dated:

25-09-2025

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	1.447	6	0.736	0.44	0.425	10.52	16.53	52730	54590	82880	85800	1.80	8.0	22.5	
2	0.657	4	0.496	0.20	0.193	6.47	8.07	71380	73970	89030	92260	1.60	8.0	20.0	
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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

Hamid Javid

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

AE B&R GE(Air) Rafiqui.(Rehb/Uplifting of Secondary School at PAF Base Rafiqui)

Client Reference: 6015/E-6

SOM Lab

Ref: 1830 (Page-14/14)

Dated: 22-09-2025

Dated: 25-09-2025

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	1.463	6	0.740	0.44	0.430	15.97	21.38	80070	81930	107150	109640	1.30	8.0	16.3	
2	1.516	6	0.754	0.44	0.446	14.78	20.08	74090	73090	100660	99300	1.40	8.0	17.5	
3	0.679	4	0.505	0.20	0.200	7.10	9.28	78350	78350	102290	102290	1.30	8.0	16.3	
4	0.683	4	0.506	0.20	0.201	7.16	9.38	78910	78520	103420	102900	1.20	8.0	15.0	
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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

Muhammad Saad Barakzai

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

ER Nespak Lahore.(Expansion of Terminal Building and Allied Facilities at AllAP Lahore)

Client Reference: 3043/50Q/MSB/108/1489

SOM Lab

Ref: 1831 (Page-1/1)

Dated: 25-09-2025

Dated: 25-09-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kamran 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	1.528	6	0.756	0.44	0.449	13.73	19.75	68830	67450	98970	96990	1.30	8.0	16.3	
2	1.529	6	0.756	0.44	0.449	13.68	19.80	68570	67200	99230	97240	1.40	8.0	17.5	
3	0.672	4	0.501	0.20	0.197	6.37	8.46	70260	71330	93300	94720	1.30	8.0	16.3	
4	0.673	4	0.502	0.20	0.198	6.98	8.89	77000	77780	98020	99010	1.40	8.0	17.5	
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BEND TEST:

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