

Test Performed by: S. Asad Ali Gillani

Usman Nazir

Resident Engineer Zeeruk International (Pvt) Ltd

Islamabad Highway.

(Development of Islamabad Expressway Korang to PWD Underpass Including Railway Bridge)

Client Reference No.: ZI/RE/FWO/RB/23/132

Dated: 13-09-2023

SOM Lab Ref: CED/SOM/3884 (Page 1/1)

Dated: 27-03-2024

Test Type: Tensile Test & Thickness Test

Sample Type: Electric Pole (Jamal)

Gauge Length: 2 inches

Tensile Test Results

Sr. No.	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	24.8 x 4.5	111.60	38.70	51.70	346.77	463.26	0.6	30.0

Thickness Test

Sample No.	Sample Type	Thickness (mm)
1	Electric Pole	4.50

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

Sikander Syal, GM

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

Etihad Town Lahore.(Const Of Mosque at Etihad Town Phase-I,Block-C Lahore)

Client Reference: Nil

SOM Lab

Ref: 3863 (Page-1/1)

Dated: 25-03-2024

Dated: 25-03-2024

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	2.623	8	0.991	0.79	0.771	27.42	35.52	76550	78440	99180	101620	1.20	8.0	15.0	Afco
2	2.610	8	0.988	0.79	0.767	25.59	33.94	71430	73570	94770	97610	1.50	8.0	18.8	Afco
3	1.481	6	0.744	0.44	0.435	12.86	18.17	64480	65230	91050	92100	1.50	8.0	18.8	Hunza
4	1.476	6	0.743	0.44	0.434	13.43	18.35	67290	68220	91970	93240	1.50	8.0	18.8	Hunza
5	1.037	5	0.623	0.31	0.305	12.00	15.31	85360	86760	108930	110710	1.20	8.0	15.0	Afco
6	1.035	5	0.622	0.31	0.304	11.34	14.95	80650	82240	106390	108490	1.30	8.0	16.3	Afco
7	0.665	4	0.498	0.20	0.195	5.91	8.41	65200	66870	92740	95120	1.10	8.0	13.8	Afco
8	0.672	4	0.501	0.20	0.197	5.88	8.41	64860	65850	92740	94150	1.30	8.0	16.3	Afco
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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

Meezan Developers
Lahore.(Const Of Jamia Tur Rasheed Lahore Campus)

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

Client Reference: Nil

SOM Lab

Ref: 3876 (Page-1/1)

Dated: 27-03-2024

Dated: 27-03-2024

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	2.637	8	0.993	0.79	0.775	26.40	33.69	73710	75130	94050	95880	1.50	8.0	18.8	
2	2.644	8	0.995	0.79	0.777	26.20	33.59	73140	74360	93770	95340	1.50	8.0	18.8	
3	1.491	6	0.747	0.44	0.438	14.42	17.81	72300	72630	89260	89670	1.30	8.0	16.3	
4	1.489	6	0.747	0.44	0.438	14.42	17.81	72300	72630	89260	89670	1.20	8.0	15.0	
5	0.657	4	0.496	0.20	0.193	6.54	8.28	72170	74790	91280	94590	1.50	8.0	18.8	
6	0.664	4	0.498	0.20	0.195	6.49	8.31	71610	73440	91610	93960	1.50	8.0	18.8	
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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

Jamia-Tur-Rasheed
Lahore.(Const Of Jamia Tur Rasheed Lahore Campus)

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

Client Reference: Nil

SOM Lab

Ref: 3877 (Page-1/1)

Dated: 27-03-2024

Dated: 27-03-2024

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	1.459	6	0.739	0.44	0.429	14.55	18.76	72910	74780	94020	96430	1.50	8.0	18.8	
2	1.462	6	0.740	0.44	0.430	14.44	18.73	72400	74090	93860	96050	1.50	8.0	18.8	
3	0.665	4	0.498	0.20	0.195	6.78	8.41	74750	76670	92740	95120	1.30	8.0	16.3	
4	0.667	4	0.500	0.20	0.196	6.63	8.33	73070	74560	91840	93710	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

Ilyas Majeed Sheikh
Chairman Eagle Developers,(Project:City Galleria, City Housing Gujranwala)

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

Client Reference: Nil

SOM Lab

Ref: 3878 (Page-1/1)

Dated: 27-03-2024

Dated: 27-03-2024

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	0.654	4	0.494	0.20	0.192	7.03	8.94	77560	80800	98580	102690	1.30	8.0	16.3	
2	0.651	4	0.493	0.20	0.191	7.24	9.14	79810	83570	100830	105580	1.20	8.0	15.0	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Farrukh Nadeem,PM

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

Innovative ® Construction Company Lahore.(Project: Shoring Works at Kingdom area,RUDA Lahore)

Client Reference: ICL/KA/PW/0324/05

SOM Lab

Ref: 3879(Page-1/1)

Dated: 26-03-2024

Dated: 27-03-2024

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	2.610	8	0.988	0.79	0.767	27.14	37.46	75760	78030	104580	107720	1.20	8.0	15.0	
2	2.609	8	0.988	0.79	0.767	27.52	37.56	76840	79140	104870	108010	1.10	8.0	13.8	
3	1.514	6	0.753	0.44	0.445	15.36	21.00	77000	76140	105260	104070	1.30	8.0	16.3	
4	1.502	6	0.749	0.44	0.441	14.12	19.47	70770	70610	97590	97370	1.30	8.0	16.3	
5	1.016	5	0.617	0.31	0.299	9.94	13.22	70710	73310	94060	97520	1.40	8.0	17.5	
6	1.011	5	0.615	0.31	0.297	9.65	13.05	68680	71690	92830	96890	1.30	8.0	16.3	
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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	
# 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

Asif Javed,RE

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

New Vision Engg Consult.(Govt.College Women Uni Sialkot,Const Of Faculty Natural Science Block)

Client Reference: NVEC/GCWUS/FNS-19

SOM Lab

Ref: 3880 (Page-1/1)

Dated: 06-03-2024

Dated: 27-03-2024

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	2.635	8	0.993	0.79	0.774	24.94	36.21	69640	71080	101080	103170	1.50	8.0	18.8	
2	2.643	8	0.995	0.79	0.777	24.23	35.68	67650	68780	99600	101270	1.30	8.0	16.3	
3	1.489	6	0.747	0.44	0.438	13.63	19.95	68320	68630	99990	100450	1.30	8.0	16.3	
4	1.490	6	0.747	0.44	0.438	13.68	20.00	68570	68880	100250	100710	1.30	8.0	16.3	
5	0.665	4	0.498	0.20	0.195	6.52	8.89	71940	73790	98020	100530	1.10	8.0	13.8	
6	0.662	4	0.498	0.20	0.195	6.55	8.92	72280	74130	98360	100880	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

Abid Saeed, Civil Engineer

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

H.Sadar Ali Akhtar Ali (Pvt) Ltd.(Factory Building and Extend the Washing Hall For HAS Tannery)

Client Reference: Nil

SOM Lab

Ref: 3881 (Page-1/1)

Dated: 27-03-2024

Dated: 27-03-2024

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	2.604	8	0.987	0.79	0.765	24.59	34.10	68640	70890	95190	98300	1.30	8.0	16.3	
2	2.614	8	0.989	0.79	0.768	24.69	34.73	68930	70900	96960	99730	1.40	8.0	17.5	
3	1.535	6	0.758	0.44	0.451	15.46	21.43	77510	75620	107400	104780	1.20	8.0	15.0	
4	1.527	6	0.756	0.44	0.449	16.21	21.92	81240	79610	109850	107650	1.20	8.0	15.0	
5	0.673	4	0.502	0.20	0.198	6.49	8.66	71610	72330	95550	96510	1.20	8.0	15.0	
6	0.669	4	0.501	0.20	0.197	6.54	8.63	72170	73270	95210	96660	1.30	8.0	16.3	
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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

Executive Engineer

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

HMD Lahore.(Const Of Works of Seed Processing unit at Khanewal,Group No.I)

Client Reference: 1062/CB

SOM Lab

Ref: 3882 (Page-1/2)

Dated: 11-03-2024

Dated: 27-03-2024

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	2.575	8	0.982	0.79	0.757	25.56	33.56	71350	74460	93680	97770	1.50	8.0	18.8	
2	2.570	8	0.980	0.79	0.755	25.76	33.71	71920	75250	94110	98470	1.50	8.0	18.8	
3	1.476	6	0.743	0.44	0.434	14.85	19.88	74450	75480	99640	101010	1.60	8.0	20.0	
4	1.485	6	0.745	0.44	0.436	15.01	20.10	75210	75900	100760	101680	1.50	8.0	18.8	
5	0.659	4	0.497	0.20	0.194	6.24	8.07	68800	70920	89030	91780	1.40	8.0	17.5	
6	0.662	4	0.498	0.20	0.195	6.03	7.87	66550	68250	86780	89010	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

Executive Engineer

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

HMD Lahore.(Const Of Works of Seed Processing unit at Khanewal,Group No.II)

Client Reference: 1062/CB

SOM Lab

Ref: 3882 (Page-2/2)

Dated: 11-03-2024

Dated: 27-03-2024

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	2.563	8	0.979	0.79	0.753	25.56	33.66	71350	74850	93970	98590	1.50	8.0	18.8	
2	2.566	8	0.980	0.79	0.754	25.76	33.56	71920	75350	93680	98160	1.50	8.0	18.8	
3	1.468	6	0.741	0.44	0.431	14.73	19.95	73830	75380	99990	102080	1.60	8.0	20.0	
4	1.469	6	0.742	0.44	0.432	15.01	20.13	75210	76610	100910	102780	1.70	8.0	21.3	
5	0.659	4	0.497	0.20	0.194	6.22	8.10	68570	70690	89370	92130	1.30	8.0	16.3	
6	0.668	4	0.500	0.20	0.196	5.96	8.10	65760	67100	89370	91190	1.30	8.0	16.3	
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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

Sub Divisional Officer

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

Faisalabad Drainage Sub Div Faisalabad.(Const of Chak No.122 & 123/RB TRY Drain)

Client Reference: 19/2/W

SOM Lab

Ref: 3883 (Page-1/1)

Dated: 26-03-2024

Dated: 27-03-2024

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	1.505	6	0.750	0.44	0.442	14.19	20.25	71130	70800	101530	101070	1.30	8.0	16.3	
2	0.667	4	0.500	0.20	0.196	5.58	7.56	61490	62750	83410	85110	1.10	8.0	13.8	
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BEND TEST:

--	No Bend test performed	Note:- Only Two Samples Received and Tested

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