Umair Latif, Dev Engr **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

University of Punjab.(Const Of New Academic Block at Hailey College Of Banking & Finance at A.I.C)

Client Reference: D-3640-DE **SOM Lab Ref:** 3802 (Page-1/1)

Dated: 13-03-2024 **Dated:** 14-03-2024

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	2.703	8	1.005	0.79	0.794	17.45	29.68	48720	48480	82870	82450	2.00	8.0	25.0	
2	2.689	8	1.003	0.79	0.790	17.60	29.80	49150	49150	83180	83180	1.80	8.0	22.5	
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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

Innovative ® **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Construction Company Lahore.(Awan Sports Complex Sialkot)

Client Reference: ICL/KA/PW/0324/01 **SOM Lab Ref:** 3803 (Page-1/1)

Dated: 14-03-2024 **Dated:** 14-03-2024

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	23.41	38.45	65370	66980	107340	109990	1.50	8.0	18.8	
2	2.676	8	1.000	0.79	0.786	22.80	36.56	63660	63990	102080	102600	1.60	8.0	20.0	
3	1.487	6	0.746	0.44	0.437	13.63	21.63	68320	68790	108420	109170	1.30	8.0	16.3	
4	1.494	6	0.748	0.44	0.439	13.97	21.51	70000	70160	107810	108060	1.40	8.0	17.5	
5	0.660	4	0.497	0.20	0.194	6.14	9.14	67670	69770	100830	103950	1.20	8.0	15.0	
6	0.665	4	0.498	0.20	0.195	6.22	9.09	68570	70330	100270	102840	1.20	8.0	15.0	
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Witnessed By: Saeed Ahmad (Project Manager)

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 5	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine Samples Received and Tested

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

Director **Test Performed By:** **Dr. /Engr.** Dr. Asad Ali

Innovative ® Construction Company, Bilal Poultry Arif `

Client Reference: ICL/KA/PW/0324 **SOM Lab Ref:** 3804 (Page-1/1)

Dated: 14-03-2024 **Dated:** 14-03-2024

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** M S 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	0.660	4	0.497	0.20	0.194	5.68	8.38	62610	64550	92400	95260	1.30	8.0	16.3	
2	0.663	4	0.498	0.20	0.195	5.66	8.38	62390	63990	92400	94770	1.30	8.0	16.3	
3	1.490	6	0.747	0.44	0.438	12.54	17.81	62850	63140	89260	89670	1.50	8.0	18.8	
4	1.485	6	0.745	0.44	0.436	12.56	18.27	62950	63530	91560	92400	1.60	8.0	20.0	
5	1.073	5	0.633	0.31	0.315	10.88	14.55	77380	76150	103490	101850	1.40	8.0	17.5	
6	1.079	5	0.635	0.31	0.317	10.67	14.50	75930	74260	103130	100850	1.50	8.0	18.8	
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BEND TEST:

Sr. # 1	Sample bend through 180 degrees Satisfactorily without any crack
Sr. # 3	Sample bend through 180 degrees Satisfactorily without any crack
Sr. # 5	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine Samples Received and Tested

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

Project Manager **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Tawasul Developers (Pvt) Ltd Lahore (Creek Tower 6-D Upper Mall Lahore)

Client Reference: Nil **SOM Lab Ref:** 3805 (Page-1/1)

Dated: 14-03-2024 **Dated:** 14-03-2024

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	2.636	8	0.993	0.79	0.775	23.75	33.66	66310	67590	93970	95790	1.60	8.0	20.0	
2	1.476	6	0.743	0.44	0.434	14.29	18.96	71640	72630	95040	96350	1.50	8.0	18.8	
3	0.654	4	0.494	0.20	0.192	6.68	9.07	73630	76700	100050	104210	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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.** Nauman Khurram

Client Reference: VA/29/134
Dated: 14-03-2024

SOM Lab Ref: 3806 (Page-1/1)
Dated: 14-03-2024

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	1.507	6	0.751	0.44	0.443	14.68	18.96	73580	73080	95040	94390	1.20	8.0	15.0	
2	1.537	6	0.759	0.44	0.452	154.13	20.39	772530	752020	102190	99480	1.10	8.0	13.8	
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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

Muhammad Rafiq, AEE **Test Performed By:** **Dr. /Engr.** Irfan Ul Hassan

Project Civil Div Pak PWD,Swl.(Const Of Capacity Building of Field Office Of ECP at Sahiwal)

Client Reference: AEE-I/PCD/SWL/182 **SOM Lab Ref:** 3807 (Page-1/1)

Dated: 07-03-2024 **Dated:** 14-03-2024

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	1.542	6	0.759	0.44	0.453	13.63	19.08	68320	66360	95650	92910	1.60	8.0	20.0	
2	1.530	6	0.757	0.44	0.450	13.53	19.01	67810	66300	95290	93180	1.50	8.0	18.8	
3	0.680	4	0.505	0.20	0.200	6.27	8.56	69130	69130	94420	94420	1.30	8.0	16.3	
4	0.672	4	0.501	0.20	0.197	6.27	8.51	69130	70190	93860	95290	1.40	8.0	17.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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