Abdul Ghafar
Project Manager Liberty Builders, Lahore

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

Client Reference: **ST/UET/ 20200629-A**
Dated: **29-06-2020**

SOM Lab Ref: **2644(Page-1/1)**
Dated: **29-06-2020**

Test: **Tension Test & Bend Test**
Test Specification: **ASTM-A-615 Deformed Bar(AF Steel)**

Gauge Length: **8 inch**
Sample Type:

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	0.674	4	0.502	0.20	0.198	7.05	9.40	77790	78570	103640	104690	1.00	8.0	12.5	
2	0.667	4	0.500	0.20	0.196	6.09	8.53	67110	68480	94090	96010	1.10	8.0	13.8	
3	0.668	4	0.500	0.20	0.196	6.22	8.51	68570	69970	93860	95780	1.10	8.0	13.8	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Four Samples Received and Tested

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

M Saleem **Test Performed By:** **Dr. /Engr.** **S. Asad Ali Gillani**

Construction Company, Engineers & Contractors Lahore Road, Sheikhupura

Client Reference: **Steel Test (N.T.N 2872696 - 7)** **SOM Lab Ref:** **2645 (Page-1/1)**

Dated: **26-06-2020** **Dated:** **29-06-2020**

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

Gauge Length: **8 inch** **Sample Type:** **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	1.492	6	0.747	0.44	0.438	16.11	20.39	80730	81100	102190	102660	1.00	8.0	12.5	
2	0.693	4	0.510	0.20	0.204	7.26	9.63	80040	78470	106230	104140	1.30	8.0	16.3	
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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 Four Samples Received and Tested

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

Basharat Munir **Test Performed By:** **Dr. /Engr.** **S Asad Ali Gillani**

Project Manager, Dupak Properaties (Pvt) Ltd. Defence View Apartments at Shanghai Road Lahore

Client Reference: **Dupak/DVA/046** **SOM Lab Ref:** **2646(Page-1/1)**

Dated: **29-06-2020** **Dated:** **29-06-2020**

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	0.679	4	0.505	0.20	0.200	6.07	9.38	66890	66890	103420	103420	1.00	8.0	12.5	
2	0.674	4	0.502	0.20	0.198	6.17	9.50	68010	68700	104770	105820	1.10	8.0	13.8	
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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

Assistant Engineer (Civil) **Test Performed By:** **Dr. /Engr.** **S. Asad Ali Gillani**

Building And Works Department, U. E. T. Lahore

Client Reference: **B & W/AENC/1358** **SOM Lab Ref:** **2647 (Page-1/1)**

Dated: **26-06-2020** **Dated:** **29-06-2020**

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

Gauge Length: **8 inch** **Sample Type:** **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	1.714	6	0.801	0.44	0.504	17.38	22.83	87120	76060	114450	99920	1.10	8.0	13.8	
2	1.713	6	0.800	0.44	0.503	17.40	22.88	87220	76300	114710	100340	1.00	8.0	12.5	
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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

Hassan Ali **Test Performed By:** Dr. /Engr. **S. Asad Ali Gillani**

Site Engineer, Project: Construction of Mr. Khizzer Sajjad Residence-344,Phase -1, Gujranwala Cantt

Client Reference: KSR-344/ST/01 **SOM Lab Ref:** 2648(Page-1/1)

Dated: 29-06-2020 **Dated:** 29-06-2020

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	2.697	8	1.005	0.79	0.793	27.52	38.20	76840	76550	106630	106230	1.30	8.0	16.3	
2	2.704	8	1.006	0.79	0.795	26.40	34.88	73710	73240	97380	96770	1.30	8.0	16.3	
3	1.522	6	0.754	0.44	0.447	14.98	18.86	75110	73940	94530	93050	1.10	8.0	13.8	
4	1.524	6	0.755	0.44	0.448	14.88	18.91	74600	73270	94780	93090	1.10	8.0	13.8	
5	0.596	4	0.472	0.20	0.175	6.44	7.75	71040	81190	85430	97640	1.00	8.0	12.5	
6	0.599	4	0.473	0.20	0.176	6.47	7.82	71380	81120	86220	97980	1.10	8.0	13.8	
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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 Nine Samples Received and Tested

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

Manager C. R & M, **Test Performed By:** **Dr. /Engr.** **S. Asad Ali Gillani**

Engineering Cell Multan, Allied Bank Ltd. GHQ/S2/2nd Floor, Abdali Road, Multan

Client Reference: **nil** **SOM Lab Ref:** **2622(Page-1/1)**

Dated: **17-06-2020** **Dated:** **23-06-2020**

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

Gauge Length: **8 inch** **Sample Type:** **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	2.606	8	0.988	0.79	0.766	26.50	33.79	73990	76310	94340	97300	1.10	8.0	13.8	
2	2.601	8	0.986	0.79	0.764	26.47	33.66	73910	76420	93970	97170	1.20	8.0	15.0	
3	1.458	6	0.738	0.44	0.428	13.05	20.82	65400	67240	104340	107260	1.30	8.0	16.3	
4	1.455	6	0.738	0.44	0.428	13.02	20.92	65250	67080	104850	107790	1.20	8.0	15.0	
5	0.673	4	0.502	0.20	0.198	5.73	9.12	63180	63810	100610	101620	1.20	8.0	15.0	
6	0.672	4	0.501	0.20	0.197	5.73	9.28	63180	64140	102290	103850	1.30	8.0	16.3	
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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 Nine Samples Received and Tested

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

Mumtaz Ali **Test Performed By:** **Dr. /Engr.** **S. Asad Ali Gillani**

A/Xen, AGE (A) Pattoki (Const of Box Igloo No. 04, 09 & 10, Having III Phase Elec Conection)

Client Reference: **600/ 95 /E6** **SOM Lab Ref:** **2650(Page-1/1)**

Dated: **19-06-2020** **Dated:** **29-06-2020**

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

Guage 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	1.483	6	0.745	0.44	0.436	16.02	21.48	80320	81060	107660	108650	1.20	8.0	15.0	
2	1.491	6	0.747	0.44	0.438	13.93	18.35	69850	70170	91970	92390	1.20	8.0	15.0	
3	1.031	5	0.621	0.31	0.303	10.86	14.50	77240	79020	103130	105510	1.10	8.0	13.8	
4	1.027	5	0.620	0.31	0.302	10.75	14.48	76510	78540	102980	105710	1.10	8.0	13.8	
5	0.655	4	0.494	0.20	0.192	6.52	8.74	71940	74940	96340	100350	1.10	8.0	13.8	
6	0.665	4	0.498	0.20	0.195	6.80	8.97	74980	76900	98920	101460	1.10	8.0	13.8	
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BEND TEST:

# 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:-

Only Nine Samples Received and Tested

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

Engr. Faiz ul Hassan Sipra **Test Performed By:** **Dr. /Engr.** **S. Asad Ali Gillani**

Chief Engineer, University of The Punjab, Lahore

Client Reference: **P-497-99** **SOM Lab Ref:** **2652(Page-1/1)**

Dated: **25-06-2020** **Dated:** **29-06-2020**

Test: **Tension Test** **Test Specification:** **ASTM-A-615 Deformed**

Gauge Length: **8 inch** **Sample Type:** **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	2.664	8	0.998	0.79	0.783	28.34	37.38	79120	79820	104360	105290	1.30	8.0	16.3	
2	1.507	6	0.751	0.44	0.443	13.56	21.51	67960	67500	107810	107080	1.30	8.0	16.3	
3	0.663	4	0.498	0.20	0.195	6.14	9.58	67670	69410	105670	108370	1.10	8.0	13.8	
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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

Muhammad Zaki **Test Performed By:** **Dr. /Engr.** **S. Asad Ali Gillani**

Chief Resident Engineer, NESPAK (Pvt) Ltd. Lahore

Client Reference: **4108/CRE/MZ/L-J/142** **SOM Lab Ref:** **2653(Page-1/1)**

Dated: **24-06-2020** **Dated:** **29-06-2020**

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

Gauge Length: **8 inch** **Sample Type:** **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	2.619	8	0.990	0.79	0.770	21.27	31.31	59390	60940	87420	89700	1.60	8.0	20.0	
2	2.620	8	0.990	0.79	0.770	21.26	31.29	59370	60910	87370	89640	1.70	8.0	21.3	
3	1.593	6	0.772	0.44	0.468	12.90	17.71	64640	60770	88750	83440	1.50	8.0	18.8	
4	1.612	6	0.777	0.44	0.474	14.27	20.08	71540	66400	100660	93440	1.40	8.0	17.5	
5	0.664	4	0.498	0.20	0.195	6.52	9.79	71940	73790	107910	110680	1.10	8.0	13.8	
6	0.664	4	0.498	0.20	0.195	6.60	9.79	72730	74600	107910	110680	1.10	8.0	13.8	
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BEND TEST:

# 6	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 Nine Samples Received and Tested

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

Muhammad Waqas Anwar
Resident Engineer-I, NESPAK, Lahore

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

Client Reference: **3772/FMU/103/MWA/04/59**
Dated: **29-06-2019**

SOM Lab Ref: **2556(Page-1/1)**
Dated: **29-06-2020**

Test: **Tension Test & Bend Test** **Test Specification:** **ASTM-A-615**
Gauge Length: **8 inch** **Sample Type:** **Deformed Bar(Pak 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	1.560	6	0.764	0.44	0.458	15.16	20.18	75980	72990	101170	97190	1.20	8.0	15.0	
2	1.553	6	0.762	0.44	0.456	15.19	20.05	76130	73460	100500	96980	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

Mudessar Iqbal
Manager QC, Country Developers (Pvt) Ltd.

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

Client Reference: **Nil**
Dated: **29-06-2020**

SOM Lab Ref: **2657(Page-1/1)**
Dated: **29-06-2020**

Test: **Tension Test & Bend Test** **Test Specification:** **ASTM-A-615**
Gauge Length: **8 inch** **Sample Type:** **Deformed Bar (AFCO 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	2.621	8	0.990	0.79	0.770	26.04	35.37	72710	74600	98750	101320	1.40	8.0	17.5	
2	1.525	6	0.755	0.44	0.448	14.60	19.95	73170	71860	99990	98210	1.10	8.0	13.8	
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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

Note:-

Only Four Samples Received and Tested

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