

Engr. Farrukh Alvi

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

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Client Reference:

HRLE/SKG/2025/Aziz/23.550/188

SOM Lab Ref:

512 (P-2/2)

Dated:

06-01-2025

Dated:

06-01-2025

Test:

Tension Test

Test Specification:

ASTM-A-615

Guage Length:

200 mm

Sample Type:

Deformed Bar (Aziz 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.952	22	21.88	387	376	193.50	308.50	500	515	797	821	22.5	200	11.3	
2	2.961	22	21.91	387	377	193.50	311.20	500	514	804	826	27.5	200	13.8	
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BEND TEST:

22mm	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

Mehmood Iqbal Asghar,RE
Nespak-Turk Pak JV.(Estb Of 200 Bedded Mother &Child Hospital & Nursing College at Distt Bwn)

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

Client Reference: 4460/13/MIA/04/439

SOM Lab

Dated: 04-01-2025

Ref: 513 (Page-1/1)

Dated: 06-01-2025

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	2.687	8	1.003	0.79	0.790	26.20	36.97	73140	73140	103220	103220	1.10	8.0	13.8	
2	2.677	8	1.001	0.79	0.787	28.64	37.72	79970	80270	105300	105700	1.20	8.0	15.0	
3	1.508	6	0.751	0.44	0.443	12.95	20.13	64890	64450	100910	100230	1.20	8.0	15.0	
4	1.503	6	0.750	0.44	0.442	12.92	20.25	64740	64450	101530	101070	1.40	8.0	17.5	
5	0.663	4	0.498	0.20	0.195	6.52	8.82	71940	73790	97230	99730	1.00	8.0	12.5	
6	0.667	4	0.500	0.20	0.196	6.32	9.09	69700	71120	100270	102320	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		

Engr. Haseeb Afzal

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

PM HMB Developers Pvt Ltd. Lahore (Commercial Tower, FTC Lahore)

Client Reference: HMBDPL/S.O/01/25/159(LHR)

SOM Lab

Dated: 06-01-2025

Ref: 514(Page-1/1)

Dated: 06-01-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (DC # 1303)

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	2.566	8	0.980	0.79	0.754	21.07	31.29	58830	61630	87370	91540	1.40	8.0	17.5	
2	2.667	8	0.999	0.79	0.784	25.15	32.26	70210	70750	90070	90760	1.50	8.0	18.8	
3	1.502	6	0.749	0.44	0.441	14.22	18.83	71280	71120	94370	94160	1.60	8.0	20.0	
4	1.494	6	0.748	0.44	0.439	14.12	19.49	70770	70930	97690	97920	1.60	8.0	20.0	
5	0.677	4	0.503	0.20	0.199	6.54	8.72	72170	72530	96110	96590	1.50	8.0	18.8	
6	0.672	4	0.501	0.20	0.197	6.54	8.56	72170	73270	94420	95860	1.40	8.0	17.5	
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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

Rashid Kamran, RE

Nespak Lhr.(Construction of Electric Bus Depot at Green Town, Lahore)

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Client Reference:

4792/13/RK/05/19

Dated:

03-01-2025

Test:

Tension Test & Bend Test

Gauge Length:

8 inch

SOM Lab

Ref: 516 (Page-1/1)

Dated:

06-01-2025

Test Specification:

ASTM-A-615

Sample Type:

Deformed Bar (Aziz 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	2.661	8	0.998	0.79	0.782	23.31	37.43	65090	65750	104500	105570	1.40	8.0	17.5	
2	2.663	8	0.998	0.79	0.783	23.36	37.36	65230	65810	104300	105230	1.40	8.0	17.5	
3	1.497	6	0.748	0.44	0.440	12.84	20.64	64380	64380	103470	103470	1.40	8.0	17.5	
4	1.505	6	0.750	0.44	0.442	12.92	20.71	64740	64450	103830	103360	1.30	8.0	16.3	
5	0.672	4	0.501	0.20	0.197	6.17	9.50	68010	69050	104770	106360	1.10	8.0	13.8	
6	0.667	4	0.500	0.20	0.196	6.27	9.65	69130	70540	106450	108620	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
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# 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		