

Test Performed by: Dr. S. Asad Ali Gillani

Muhammad Zain-Ul-Abadeen

Resident Engineer

NESPAK (Pvt) Ltd.

Lahore.

(Improvement Of Water Supply/Sewerage System in UC-236, Nishter Zone,Lahore)

Client Reference No.:43101/MZA/01/1044

Dated: 03-01-2025

SOM Lab Ref: CED/SOM/794(Page-1/1)

Dated: 18-02-2025

Test: Tensile Test, Elongation at Break & Hardness Test

Sample Type: Rubber Ring for Jointing of RCC Pipes

TENSILE STRENGTH AND ELONGATION TEST.

S. No	Measured Diameter of Ring (mm)	Ultimate Load (kN)	Tensile Strength (N/mm ²)	Elongation at Break(%)
1	11.6	0.45	4.26	340.0

- HARDNESS TEST

S. No	Sample Type	Hardness _{avg} (Shore A)
1	Rubber Ring	49.66

Sub Divisional Officer,

Test Performed By: Dr. /Engr. Wasim Abbas

Headworks Sub Division Suliemanki.(Reconst Of Reidences and Allied Strucures in Canal Colony)

Client Reference: 66

Dated: 08-02-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 792 (Page-1/1)

Dated: 18-02-2025

ASTM-A-615

Deformed Bar (AF 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	1.518	6	0.754	0.44	0.446	14.09	20.10	70620	69670	100760	99400	1.10	8.0	13.8	
2	1.498	6	0.748	0.44	0.440	14.37	20.18	72050	72050	101170	101170	1.30	8.0	16.3	
3	0.666	4	0.500	0.20	0.196	6.65	9.12	73290	74790	100610	102660	1.10	8.0	13.8	
4	0.661	4	0.497	0.20	0.194	6.63	9.07	73070	75330	100050	103140	1.00	8.0	12.5	
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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 Nalik

Test Performed By: Dr. /Engr. Wasim Abbas

Sr. Manager MAYFAIR Residencia Main Canal Road, Lahore.(High-rise Apartment Building)

Client Reference: Nil

Dated: 18-02-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 793 (Page-1/1)

Dated: 18-02-2025

ASTM-A-615

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	2.588	8	0.984	0.79	0.761	22.04	36.70	61530	63870	102450	106350	1.40	8.0	17.5	
2	1.475	6	0.743	0.44	0.433	12.66	20.56	63460	64490	103060	104730	1.20	8.0	15.0	
3	0.664	4	0.498	0.20	0.195	5.83	8.72	64300	65950	96110	98580	1.10	8.0	13.8	
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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

Tariq Saeed, ARE

Test Performed By: Dr. /Engr. Wasim Abbas

RHC Pvt Ltd.(17 Centers of Excellences in Existing TEVTA & PVTC Institutes in Punjab Province)

Client Reference: RHC/134-TEVTA-2404/RMH/01/12

SOM Lab

Ref: 795 (Page-1/1)

Dated: 17-02-2025

Dated: 18-02-2025

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	2.583	8	0.983	0.79	0.759	26.45	34.73	73850	76870	96960	100920	1.00	8.0	12.5	
2	2.588	8	0.984	0.79	0.761	27.44	34.98	76610	79530	97670	101390	1.20	8.0	15.0	
3	1.506	6	0.751	0.44	0.443	17.25	20.66	86450	85870	103570	102870	1.00	8.0	12.5	
4	1.515	6	0.753	0.44	0.445	17.15	20.49	85940	84980	102700	101550	1.10	8.0	13.8	
5	0.683	4	0.506	0.20	0.201	6.75	8.84	74420	74050	97460	96970	1.20	8.0	15.0	
6	0.689	4	0.507	0.20	0.202	6.70	8.82	73850	73120	97230	96270	1.00	8.0	12.5	
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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

Engr.Aziz Ur Rehman, ARE
ACE-Arts Limited, Net Zero Energy Building Gulbrg Lahore.

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: NZEB/ACE/SITE/LAB/2025/16

Dated: 17-02-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 796 (Page-1/1)

Dated: 18-02-2025

ASTM-A-615

Deformed Bar (Karachi 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	2.633	8	0.993	0.79	0.774	24.97	33.23	69720	71170	92770	94690	1.30	8.0	16.3	
2	2.633	8	0.993	0.79	0.774	25.25	33.69	70490	71950	94050	96000	1.40	8.0	17.5	
3	1.485	6	0.745	0.44	0.436	13.22	18.86	66270	66880	94530	95390	1.30	8.0	16.3	
4	1.479	6	0.744	0.44	0.435	13.48	18.78	67550	68330	94120	95200	1.20	8.0	15.0	
5	0.665	4	0.498	0.20	0.195	5.83	8.82	64300	65950	97230	99730	1.40	8.0	17.5	
6	0.066	4	0.156	0.20	0.019	5.58	8.23	61490	647220	90720	954850	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

Rana Muhammad Haris, CME

Test Performed By: Dr. /Engr. Wasim Abbas

RHC Pvt Ltd.(17 Centers of Excellences in Existing TEVTA & PVTC Institutes in Punjab Province)

Client Reference: RHC/134-TEVTA-2404/RMH/01/20

Dated: 18-02-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 797 (Page-1/1)

Dated: 18-02-2025

ASTM-A-615

Deformed Bar (Ak 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	2.570	8	0.980	0.79	0.755	24.08	34.63	67220	70340	96670	101150	1.30	8.0	16.3	
2	2.584	8	0.983	0.79	0.759	24.03	34.58	67080	69820	96530	100470	1.40	8.0	17.5	
3	1.475	6	0.743	0.44	0.433	17.55	22.60	87990	89410	113280	115110	1.30	8.0	16.3	
4	1.469	6	0.742	0.44	0.432	17.38	22.27	87120	88730	111640	113710	1.30	8.0	16.3	
5	0.653	4	0.494	0.20	0.192	7.24	9.43	79810	83140	103980	108310	1.20	8.0	15.0	
6	0.650	4	0.493	0.20	0.191	7.36	9.53	81160	84990	105100	110060	1.00	8.0	12.5	
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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

Abdul Baseet
ME Banu Mukhtar Contracting(Pvt.) Ltd.(Burj-1 By AJWA Builders)

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: DOC-BMC/AJWA/157

Dated: 18-02-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 798 (Page-1/1)

Dated: 18-02-2025

ASTM-A-615

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	0.676	4	0.503	0.20	0.199	7.16	8.53	78910	79310	94090	94560	1.20	8.0	15.0	
2	0.675	4	0.502	0.20	0.198	7.19	8.66	79250	80050	95550	96510	1.30	8.0	16.3	
3	0.677	4	0.503	0.20	0.199	7.00	8.51	77230	77610	93860	94330	1.40	8.0	17.5	
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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

Metroplan-Asian JV
 Metroplan-Asian JV Site Office.(Estb Of NSICTR Lahore Phase-1,Pkg-C)

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

Client Reference: Metroplan-Asian-NSICTR(PKG-C)-RE-1111

SOM Lab Ref: 799 (Page-1/1)

Dated: 13-02-2025

Dated: 18-02-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

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	2.670	8	1.000	0.79	0.785	36.29	42.51	101310	101960	118670	119430	1.00	8.0	12.5	H # 79
2	2.662	8	0.998	0.79	0.782	35.78	41.92	99890	100910	117020	118220	1.00	8.0	12.5	H # 79
3	1.478	6	0.743	0.44	0.434	13.12	21.05	65760	66670	105510	106970	1.20	8.0	15.0	H # 591
4	1.465	6	0.741	0.44	0.431	12.92	20.90	64740	66090	104750	106930	1.30	8.0	16.3	H # 591
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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	

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