

Sabir Khan

Test Performed By: Dr. /Engr. Rizwan Riaz

Admin Linker Developers.(Construction Of Quaid-E-Azam Public School Dream Garden Wazirabad)

Client Reference: Linker/12/23/044

SOM Lab

Ref: 3399(Page-1/1)

Dated: 22-12-2023

Dated: 22-12-2023

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	1.500	6	0.749	0.44	0.441	17.20	22.09	86200	86000	110720	110470	1.10	8.0	13.8	
2	1.531	6	0.757	0.44	0.450	17.40	20.87	87220	85280	104590	102270	1.10	8.0	13.8	
3	0.661	4	0.497	0.20	0.194	6.90	8.63	76100	78460	95210	98160	1.30	8.0	16.3	
4	0.697	4	0.511	0.20	0.205	7.05	8.69	77790	75890	95770	93440	1.00	8.0	12.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four 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 Developes Lahore.(City Galleria, City Housing, Gujranwala)

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

Dated: 22-12-2023

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3400 (Page-1/1)

Dated: 22-12-2023

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	2.658	8	0.997	0.79	0.781	22.78	32.54	63610	64340	90840	91890	1.50	8.0	18.8	
2	1.503	6	0.750	0.44	0.442	14.55	19.69	72910	72580	98720	98270	1.40	8.0	17.5	
3	0.671	4	0.501	0.20	0.197	6.14	8.58	67670	68700	94650	96090	1.20	8.0	15.0	
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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

Earth Links

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

Zaitoon City Canal Road Lahore.(165-B-Sector C "High Rise"Bahria Town Lahore)

Client Reference: Nil

SOM Lab

Ref: 3401 (Page-1/1)

Dated: 22-12-2023

Dated: 22-12-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Al-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	2.668	8	0.999	0.79	0.784	23.19	36.49	64740	65240	101880	102660	1.10	8.0	13.8	
2	2.671	8	1.000	0.79	0.785	23.29	33.46	65030	65440	93400	94000	1.40	8.0	17.5	
3	1.511	6	0.752	0.44	0.444	13.53	20.41	67810	67190	102290	101370	1.50	8.0	18.8	
4	1.498	6	0.748	0.44	0.440	13.76	18.65	68980	68980	93510	93510	1.30	8.0	16.3	
5	0.672	4	0.501	0.20	0.197	6.90	8.56	76100	77260	94420	95860	1.30	8.0	16.3	
6	0.669	4	0.501	0.20	0.197	7.54	9.60	83180	84450	105890	107500	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

M.Waqas Anwar,RE

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

Nespak Lahore.(Dev Of a Controlled Access Corridor Facility From Niazi Interchange to Babu Sabu)

Client Reference: 3772/103/NBI(P-II)/MWA/04/103

SOM Lab

Ref: 3402 (Page-1/4)

Dated: 11-12-2023

Dated: 22-12-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Batala Premium)

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	0.673	4	0.502	0.20	0.198	6.78	8.79	74750	75510	96900	97880	1.00	8.0	12.5	
2	0.672	4	0.501	0.20	0.197	6.90	8.92	76100	77260	98360	99860	1.00	8.0	12.5	
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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

M.Waqas Anwar,RE

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

Nespak Lahore.(Dev Of a Controlled Access Corridor Facility From Niazi Interchange to Babu Sabu)

Client Reference: 3772/103/NBI(P-II)/MWA/04/104

SOM Lab

Ref: 3402 (Page-2/4)

Dated: 11-12-2023

Dated: 22-12-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Batala Premium)

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	1.006	5	0.614	0.31	0.296	12.33	15.51	87750	91900	110380	115600	1.00	8.0	12.5	
2	1.013	5	0.616	0.31	0.298	12.00	15.49	85360	88800	110230	114670	1.10	8.0	13.8	
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BEND TEST:

# 5	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

M.Waqas Anwar,RE

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

Nespak Lahore.(Dev Of a Controlled Access Corridor Facility From Niazi Interchange to Babu Sabu)

Client Reference: 3772/103/NBI(P-II)/MWA/04/105

SOM Lab

Ref: 3402 (Page-3/4)

Dated: 11-12-2023

Dated: 22-12-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Batala Premium)

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	1.451	6	0.736	0.44	0.426	13.88	20.23	69590	71880	101420	104760	1.20	8.0	15.0	
2	1.458	6	0.738	0.44	0.428	13.86	20.18	69490	71440	101170	104010	1.20	8.0	15.0	
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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

M.Waqas Anwar,RE

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

Nespak Lahore.(Dev Of a Controlled Access Corridor Facility From Niazi Interchange to Babu Sabu)

Client Reference: 3772/103/NBI(P-II)/MWA/04/106

SOM Lab

Ref: 3402 (Page-4/4)

Dated: 11-12-2023

Dated: 22-12-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Batala Premium)

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	2.617	8	0.990	0.79	0.769	24.03	36.97	67080	68910	103220	106040	1.20	8.0	15.0	
2	2.628	8	0.991	0.79	0.772	23.92	36.70	66790	68350	102450	104840	1.20	8.0	15.0	
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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

Muhammad Tufail, RE

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

MMP Pkg-I (PCP) Daska.(Construction Of Storm Water Drainage System in Daska City)

Client Reference: DSK/CON/1094/SWDS/105/2023

SOM Lab

Ref: 3404 (Page-1/1)

Dated: 22-12-2023

Dated: 22-12-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Naveena 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	0.673	4	0.502	0.20	0.198	7.82	10.24	86220	87090	112970	114110	1.10	8.0	13.8	
2	0.670	4	0.501	0.20	0.197	7.49	10.04	82620	83880	110720	112410	1.30	8.0	16.3	
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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

ESS-I-AAR Consultant,RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Multan.(Rehb/Improvement of Sewerage System Distt Jhang,Phase-I)

Client Reference: 2033/PHE/Jhang

SOM Lab

Ref: 3405 (Page-1/1)

Dated: 04-12-2023

Dated: 22-12-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Sheikhoo 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	0.670	4	0.501	0.20	0.197	6.32	8.22	69700	70760	90600	91980	1.10	8.0	13.8	
2	0.675	4	0.502	0.20	0.198	6.42	8.18	70820	71540	90150	91060	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

Test Performed by: S. Asad Ali Gillani

Hamza Ali
Incharge QA/QC HI-TEK Manufacturing (Pvt) Ltd.
Lahore.
(HASCOL PETROLEUM LIMILTED)

Client Reference No.: HT/Req/MT/1026

Dated: 22-12-2023

SOM Lab Ref: CED/SOM/3403 (Page 1/1)

Dated: 22-12-2023

Test Type: Tensile Test

Sample Type: Sheet (SG 295)

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	27.4 x 2.95	80.83	31.7	38.7	392.18	478.78	0.6	30.0
2	27.1 x 3.0	81.3	34.7	39.7	426.81	488.31	0.5	50.0
3	27.2 x 3.0	81.6	33.0	39.7	404.41	486.51	0.6	30.0

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