

Test Performed by: S. Asad Ali Gillani

ZES
Zain Engineering Solution
Lahore.
(Project: RAMADA)

Client Reference No.: Nil
SOM Lab Ref: CED/SOM/415 (Page 1/1)
Test Type: Tensile Test
Sample Type: Anchor Bolt (M16x305mm)
Test Specification: ASTM – F-1554

Dated: 20-12-2024
Dated: 20-12-2024

Tensile Test Results

S No.	Sample Type	Sample Diameter before Test (mm)	Tested Diameter of Rod/Bolt (mm)	Yield Load (kN)	Ultimate Load (kN)	Yield Stress (MPa)	Ultimate Tensile Stress (MPa)	% Elongation
1	Anchor Bolt M16	16.0	10.0	39.2	54.5	499.4	694.3	13.3

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

Test Performed by: Dr. S. Asad Ali Gillani

Saifullah Amin
Project Manager /DTL
EPCM-PICIIP
Parking Sheds in Sahiwal & Sialkot (NCB-Works/PICIIP-27)
Reference No.: 3976/11/MS/SWL/Parking Sheds/01/111
SOM Lab Ref: CED/SOM/416(Page-1/1)

Dated: 28-11-2024
Dated: 20-12-2024

Test: Tensile Test, Elongation at Break, Tear Test, Hardness Test & Comp. Set Test

Sample Type: Neoprene Rubber Brand: M/S Longman

TENSILE STRENGTH AND ELONGATION TEST. (AS PER ASTM-D-412)

S. No	Sample Size (mm)	Ultimate Load (kN)	Tensile Strength (Mpa)	Elongation at Break(%)
1	5.2 x 5.5	1.15	40.21	540
2	5.3 x 5.5	1.20	41.17	530

TEAR STRENGTH (AS PER ASTM-D-624)

S. No	Sample Size (mm)	Ultimate Load (kN)	Tear Strength (N/mm)
1	9.0 x 5.5	0.80	145.45
2	10.0 x 5.5	0.85	154.54

- COMPRESSION SET TEST (AS PER ASTM-D-395)

S. No.	Thickness of Sample (mm)	Final Thickness (mm)	Compression set (%)
1	5.0	4.82	3.6

- HARDNESS TEST (AS PER ASTM-D-2240)

S. No	Sample Type	Hardness _{avg} (Shore A)
1	Neoprene Rubber	62.66

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

Qaiser Aziz

Site Engr OZ Developers Lahore.(Const a High-rise Building Bahria Sky at Bahria Orchard Lhr)

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Client Reference:

01

SOM Lab

Ref: 411 (Page-1/2)

Dated:

20-12-2024

Dated:

20-12-2024

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	1.480	6	0.744	0.44	0.435	13.32	20.20	66780	67550	101270	102440	1.30	8.0	16.3	
2	1.490	6	0.747	0.44	0.438	12.76	19.72	63970	64270	98870	99320	1.50	8.0	18.8	
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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		

Ravi Construction Company
Novatex Limited.(Repetify @ QABP , Sheikhpura)

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

Client Reference: Nil

SOM Lab

Dated: Nil

Ref: 412 (Page-1/1)

Test: Tension Test & Bend Test

Dated: 20-12-2024

Gauge Length: 8 inch

ASTM-A-615

Sample Type: Deformed Bar (Al-Moiz 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	2.656	8	0.997	0.79	0.781	25.79	33.51	72000	72830	93540	94620	1.70	8.0	21.3	
2	2.665	8	0.998	0.79	0.783	25.81	33.56	72060	72700	93680	94520	1.50	8.0	18.8	
3	1.478	6	0.743	0.44	0.434	14.17	19.03	71020	72010	95400	96710	1.40	8.0	17.5	
4	1.480	6	0.744	0.44	0.435	14.48	19.08	72560	73390	95650	96750	1.50	8.0	18.8	
5	0.662	4	0.498	0.20	0.195	6.63	8.66	73070	74940	95550	98000	1.20	8.0	15.0	
6	0.658	4	0.496	0.20	0.193	6.12	8.48	67450	69890	93530	96920	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

Assistant Project Director,PMU
SBP FSd.(Const Of Hostel at MAI Heer Sports Complex Jhang)

Test Performed By:
Dr. /Engr. Nauman Khurram

Client Reference: ADP/PMU/SBP/FSD/TEST/24/863
Dated: 18-12-2024
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 413(Page-1/1)
Dated: 20-12-2024
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	1.499	6	0.749	0.44	0.441	14.32	19.18	71790	71630	96160	95940	1.50	8.0	18.8	
2	1.468	6	0.741	0.44	0.431	14.29	19.03	71640	73130	95400	97390	1.50	8.0	18.8	
3	0.663	4	0.498	0.20	0.195	7.00	8.84	77230	79210	97460	99960	1.20	8.0	15.0	
4	0.663	4	0.498	0.20	0.195	6.80	8.92	74980	76900	98360	100880	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

Karar Abbas

Sr. Assistant Manager Deptt of Procurement Pioneer Cement Limited. Lahore

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Client Reference:

PCL/PL04/UET/DSB/836

SOM Lab

Ref: 414 (Page-1/1)

Dated:

20-12-2024

Dated:

20-12-2024

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	1.501	6	0.749	0.44	0.441	14.39	22.70	72150	71980	113790	113530	1.60	8.0	20.0	
2	1.499	6	0.749	0.44	0.441	14.34	22.63	71890	71730	113430	113170	1.50	8.0	18.8	
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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		

Allied Bank

Head Const. Site ABL-UML P-199&200.(Const Of ABL Upper Mall Lahore Plot No 199,200)

Test Performed By:

Dr. /Engr. Irfan UI Hassan

Client Reference:

ABL-UML-AMC-QAQC-101

SOM Lab

Ref: 417 (Page-1/1)

Dated:

20-12-2024

Dated:

20-12-2024

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	2.599	8	0.986	0.79	0.764	27.08	36.06	75610	78190	100660	104080	1.30	8.0	16.3	
2	2.621	8	0.990	0.79	0.770	28.34	36.87	79120	81170	102930	105610	1.40	8.0	17.5	
3	1.477	6	0.743	0.44	0.434	15.44	20.64	77410	78480	103470	104900	1.20	8.0	15.0	
4	1.473	6	0.743	0.44	0.433	15.49	20.71	77670	78920	103830	105500	1.20	8.0	15.0	
5	0.650	4	0.493	0.20	0.191	6.44	8.61	71040	74390	94990	99460	1.00	8.0	12.5	
6	0.645	4	0.492	0.20	0.190	6.39	8.56	70480	74190	94420	99390	1.10	8.0	13.8	
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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		

Sub Divisional officer,
BSD No.19 Lhr.(Estb of Nawaz Sharif Center of Excellence for Early Childhood Education at CLC Lhr)

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

Client Reference: 1808

SOM Lab

Dated: 17-12-2024

Ref: 418 (Page-1/1)

Dated: 20-12-2024

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	2.642	8	0.994	0.79	0.776	24.06	40.13	67160	68370	112040	114060	1.30	8.0	16.3	
2	2.649	8	0.995	0.79	0.778	23.85	39.86	66590	67620	111270	112990	1.40	8.0	17.5	
3	1.480	6	0.744	0.44	0.435	13.86	21.76	69490	70290	109090	110340	1.20	8.0	15.0	
4	1.476	6	0.743	0.44	0.434	13.91	21.71	69750	70710	108830	110340	1.30	8.0	16.3	
5	0.659	4	0.497	0.20	0.194	5.83	9.30	64300	66290	102520	105690	1.20	8.0	15.0	
6	0.657	4	0.496	0.20	0.193	5.78	9.12	63740	66050	100610	104260	1.10	8.0	13.8	
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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		

Bilal Raza

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

Snr PM IDAP Lahore.(Estb Of Nawaz Sharif Institute of Cancer Treatment & Research,Pkg-B)

Client Reference: SPM(NSICTR)/PACKAGE-B/2024/20991

SOM Lab

Dated: 13-12-2024

Ref: 419 (Page-1/2)

Test: Tension Test & Bend Test

Dated: 20-12-2024

Gauge Length: 8 inch

ASTM-A-615

Sample Type: Deformed Bar (Kamran 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	1.488	6	0.746	0.44	0.437	14.53	19.44	72810	73310	97440	98110	1.20	8.0	15.0	H # 88
2	1.491	6	0.747	0.44	0.438	13.58	18.60	68060	68370	93250	93680	1.40	8.0	17.5	H # 88
3	1.483	6	0.745	0.44	0.436	13.12	18.17	65760	66360	91050	91890	1.40	8.0	17.5	H # 89
4	1.494	6	0.748	0.44	0.439	13.91	18.88	69750	69910	94630	94840	1.50	8.0	18.8	H # 89
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BEND TEST:

# 6	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

Engr. M.Aamir Saeed

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

Snr PM IDAP Lahore.(Estb Of Nawaz Sharif Institute of Cancer Treatment & Research,Pkg-A&D)

Client Reference: SPM(NSICTR)/PKG-A&D/2024/21020

SOM Lab

Dated: 18-12-2024

Ref: 419 (Page-2/2)

Dated: 20-12-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Kamran 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	1.492	6	0.747	0.44	0.438	13.10	18.88	65660	65960	94630	95060	1.30	8.0	16.3	H # 12
2	1.491	6	0.747	0.44	0.438	13.43	19.06	67290	67600	95550	95990	1.40	8.0	17.5	H # 12
3	1.495	6	0.748	0.44	0.439	17.45	22.50	87480	87680	112770	113020	1.20	8.0	15.0	H # 73
4	1.489	6	0.747	0.44	0.438	17.38	22.48	87120	87520	112660	113180	1.30	8.0	16.3	H # 73
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BEND TEST:

# 6	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		

Stylers Plus (Pvt) Ltd.
Lahore.(Const Of Frame Structure Building 34-Km Ferozepur Road Lahore)

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

Client Reference: STP
Dated: 20-12-2024
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 421 (Page-1/1)
Dated: 20-12-2024
ASTM-A-615
Deformed Bar (Madina 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	2.662	8	0.998	0.79	0.782	24.77	40.13	69160	69860	112040	113190	1.40	8.0	17.5	
2	2.681	8	1.002	0.79	0.788	24.97	39.81	69720	69900	111130	111410	1.40	8.0	17.5	
3	1.468	6	0.741	0.44	0.431	13.40	20.76	67190	68600	104080	106250	1.40	8.0	17.5	
4	1.460	6	0.739	0.44	0.429	13.40	20.87	67190	68910	104590	107270	1.40	8.0	17.5	
5	0.642	4	0.491	0.20	0.189	6.19	9.16	68230	72210	101060	106940	1.00	8.0	12.5	
6	0.643	4	0.491	0.20	0.189	6.10	9.07	67220	71140	100050	105870	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		

Muhammad Khalid
RE ECSP Jhang.(Model Cattle Market Shahpur Kanjra,Lahore)

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

Client Reference: ECSP/MCML/31
Dated: 20-12-2024
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 422 (Page-1/1)
Dated: 20-12-2024
ASTM-A-615
Sample Type: 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	2.663	8	0.998	0.79	0.783	27.01	40.47	75420	76090	112980	113990	1.50	8.0	18.8	
2	2.666	8	0.998	0.79	0.783	24.97	39.30	69720	70350	109710	110690	1.30	8.0	16.3	
3	0.664	4	0.498	0.20	0.195	6.75	9.19	74420	76320	101390	103990	1.00	8.0	12.5	
4	0.669	4	0.501	0.20	0.197	6.85	9.38	75540	76690	103420	104990	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
# 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		