

**Test Performed By:** Dr. Syed Asad Ali Gillani

Misha Asad  
Manager Proposal & Contracts  
Fibre Craft Industries Lahore

**Client Reference:** FCI/24/CR/22532

Dated: 18-03-2024

**SOM Laboratory Reference:** CED/SOM/3814(Page-1/1)

Dated: 18-03-2024

**Test:** Compression Test

**Sample Type:** Fiberglass Filament Wound Tank

**Compression Test**

<b>Sample Type</b>	<b>Size of Sample (mm)</b>	<b>Ultimate Load (kN)</b>	<b>Ultimate Stress (MPa)</b>
Fiberglass	12.5 x 12.5	42.0	268.8

**Note:** Please always confirm the results of above report on web: [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

**Test Performed by:** Dr. S. Asad Ali Gillani

NESPAK (Pvt) Ltd.

Sargodha.

(Dualization of Sargodha Khushab Mianwali Road, Group-I From KM 206.94 to 211.50 = 4.56Km)

**Reference No.:** RE/4376-E/MH/4a/394

**Dated:** 16/01/2024

**SOM Lab Ref:** CED/SOM/3825(Page-1/1)

**Dated:** 18-03-2024

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

**Sample Type:** Elastomeric Bearing Pad

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

S. No	Sample Size (mm)	Ultimate Load (kN)	Tensile Strength (Mpa)	Tensile Strength (kg/cm <sup>2</sup> )	Elongation at Break(%)
1	5.9 x 2.6	0.23	14.99	152.85	440.0
2	5.8 x 2.5	0.22	15.17	154.68	460.0

**TEAR STRENGTH (AS PER ASTM-D-624)**

S. No	Sample Size (mm)	Ultimate Load (kN)	Tear Strength (N/mm)
1	7.4 x 2.7	0.15	55.55
2	7.2 x 2.7	0.15	55.55

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

S. No.	Thickness of Sample (mm)	Final Thickness (mm)	Compression set (%)
1	2.70	2.54	5.92

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

S. No	Sample Type	Hardness <sub>avg</sub> (Shore A)
1	Elastomeric Bearing Pad	64.0

Engr. Zaheer Ahmad Baber  
 PM-Tech Sitara Developers.(Const Of Flyover At Sitara Green City)

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

**Client Reference:** SGC/UIA/82

**Dated:** 16-03-2024

**SOM Lab Ref:** CED/SOM/3815(Page-1/1)

**Dated:** 18-03-2024

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A 615

**Sample Type:** Deformed Bar (Sheikhoo Steel)

**Gauge Length:** 200 mm

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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.833	25	24.93	491	488	252.70	327.50	515	518	667	672	37.5	200	18.8	
2	3.812	25	24.86	491	486	245.20	324.50	500	505	661	669	35.0	200	17.5	
3	2.413	20	19.78	314	307	152.70	207.20	486	497	660	675	35.0	200	17.5	
4	2.450	20	19.93	314	312	154.70	209.70	492	496	667	673	37.5	200	18.8	
5	1.528	16	15.74	201	195	91.70	128.50	456	472	639	661	37.5	200	18.8	
6	1.511	16	15.66	201	193	92.20	128.50	459	479	639	668	40.0	200	20.0	
7	0.895	12	12.05	113	114	56.00	76.70	495	492	678	673	30.0	200	15.0	
8	0.897	12	12.06	113	114	57.00	77.50	504	499	685	679	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**BEND TEST:**

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Twelve Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	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](http://www.uet-civil.edu.pk)

Sheikhoo Steel

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

Director Proj.Sheikhoo Sugar Mills,Anwar Abad Kot Addu,Muzaffargarh.(Shahid & Co DHA Multan)

**Client Reference:** Nil

**Dated:** 14-03-2024

**SOM Lab Ref:** CED/SOM/3818(Page-1b/1)

**Dated:** 18-03-2024

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A 615

**Sample Type:** Deformed Bar (Sheikhoo Steel)

**Gauge Length:** 200 mm

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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.810	25	24.85	491	485	222.70	327.20	454	460	667	675	37.5	200	18.8	
2	0.873	12	11.90	113	111	56.00	76.20	495	504	674	685	32.5	200	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Two Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Waqas Ahmed Ghumman

**Test Performed By:**

Dr. /Engr.

Asad Ali Gillani

PM High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

**Client Reference:** QC/HQ/CIVIL/196

**Dated:** 18-03-2024

**SOM Lab Ref:** CED/SOM/3819(Page-1/1)

**Dated:** 18-03-2024

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A 615

**Sample Type:** Deformed Bar

**Gauge Length:** 200 mm

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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.910	25	25.18	491	498	251.20	332.50	512	505	677	668	35.0	200	17.5	
2	3.839	25	24.95	491	489	247.50	329.00	504	507	670	673	37.5	200	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**BEND TEST:**

25mm 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](http://www.uet-civil.edu.pk)

Waqas Ahmed Ghumman

**Test Performed By:**

Dr. /Engr.

Asad Ali Gillani

PM High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

**Client Reference:** QC/HQ/CIVIL/197

**Dated:** 18-03-2024

**SOM Lab Ref:** CED/SOM/3820(Page-1/1)

**Dated:** 18-03-2024

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A 615

**Sample Type:** Deformed Bar

**Gauge Length:** 200 mm

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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.935	12	12.31	113	119	57.50	76.70	508	484	678	645	30.0	200	15.0	
2	0.913	12	12.17	113	116	57.00	77.70	504	490	687	668	32.5	200	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**BEND TEST:**

12mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Project Manager  
 Innovative ® Construction Company,"Shoring Works a

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

Client Reference: ICL/KA/PW/0324/02

SOM Lab

Ref: 3813-

Dated: 17-03-2024

Dated: 18-03-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: M S 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.636	8	0.993	0.79	0.775	25.86	36.95	72200	73600	103160	105160	1.50	8.0	18.8	
2	2.629	8	0.992	0.79	0.773	26.12	36.85	72910	74510	102880	105140	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**BEND TEST:**

Sr. # 1	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Engineer Muhammad Irshad  
 Dy Dir Dev. DHA Gujranwala.(Executive Block Mosque)

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

**Client Reference:** 111/3/DD/Dev/Exec Block Masque/06

**SOM Lab**

**Ref:** 3816 (Page-1/1)

**Dated:** 15-03-2024

**Dated:** 18-03-2024

**Test:** Tension Test & Bend Test

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

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar (AF Steel)

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.469	8	0.961	0.79	0.726	19.83	29.66	55350	60230	82810	90110	1.20	8.0	15.0	
2	2.553	8	0.977	0.79	0.750	20.71	31.06	57830	60910	86710	91340	1.50	8.0	18.8	
3	1.471	6	0.742	0.44	0.432	16.72	20.87	83800	85350	104590	106530	1.20	8.0	15.0	
4	1.488	6	0.746	0.44	0.437	15.39	19.78	77160	77680	99130	99810	1.20	8.0	15.0	
5	0.632	4	0.487	0.20	0.186	5.35	7.75	59020	63460	85430	91860	1.10	8.0	13.8	
6	0.648	4	0.492	0.20	0.190	5.37	7.72	59240	62360	85100	89570	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)



Engineer Muhammad Irshad  
 Dy Dir Dev. DHA Gujranwala.(Const of InnoVista Technology Zone)

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

**Client Reference:** 111/3/DD/Dev/Soft Tech Park/06

**SOM Lab**

**Ref:** 3817 (Page-1/1)

**Dated:** 05-03-2024

**Dated:** 18-03-2024

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.534	6	0.758	0.44	0.451	16.51	22.09	82780	80760	110720	108020	1.40	8.0	17.5	
2	1.480	6	0.744	0.44	0.435	14.14	19.49	70870	71690	97690	98820	1.30	8.0	16.3	
3	0.651	4	0.493	0.20	0.191	6.22	8.41	68570	71800	92740	97110	1.20	8.0	15.0	
4	0.662	4	0.498	0.20	0.195	6.44	8.58	71040	72870	94650	97080	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Sheikhoo Steel

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

Director Proj.Sheikhoo Sugar Mills Anwar Abad Kot Addu,Muzaffargarh.(Shahid & Co DHA Multan)

**Client Reference:** Nil

**SOM Lab**

**Ref:** 3818 (Page-1a/1)

**Dated:** 14-03-2024

**Dated:** 18-03-2024

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.486	6	0.746	0.44	0.437	13.81	19.34	69240	69710	96930	97590	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only One Sample Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Dr.Adil Khan, RE

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

Nespak.(Dev Of Internal Infrastructure Of CBD Walton&Flyover Connecting Bab-e-Pakistan To Walton)

**Client Reference:** 4322/13/DAK/02/164

**SOM Lab**

**Ref:** 3821 (Page-1/1)

**Dated:** 29-02-2024

**Dated:** 18-03-2024

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.666	4	0.500	0.20	0.196	6.95	8.46	76660	78230	93300	95200	1.40	8.0	17.5	
2	0.658	4	0.496	0.20	0.193	6.85	8.41	75540	78280	92740	96100	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Engineer Muhammad Irfan  
 Dy Dir Infra. DHA Gujranwala.(Sector K)

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

**Client Reference:** 111/15/D D/RS/Lab/K/575

**SOM Lab**

**Ref:** 3822 (Page-1/1)

**Dated:** 18-03-2024

**Dated:** 18-03-2024

**Test:** Tension Test & Bend Test

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

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar (siraj Steel)

ASTM-A-615

Deformed Bar (siraj 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.463	6	0.740	0.44	0.430	13.17	20.23	66020	67550	101420	103780	1.50	8.0	18.8	
2	1.460	6	0.739	0.44	0.429	12.76	20.08	63970	65610	100660	103240	1.60	8.0	20.0	
3	0.675	4	0.502	0.20	0.198	6.19	9.28	68230	68920	102290	103330	1.20	8.0	15.0	
4	0.673	4	0.502	0.20	0.198	5.93	9.12	65420	66090	100610	101620	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Sub Divisional Officer, BSD

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

Nrw.(B/Work of Revamping Of All DHQ/15 THQ Hospitals in Punjab one at DHQ Hospital Narowal)

**Client Reference:** 282/NL

**SOM Lab**

**Ref:** 3823 (Page-1/1)

**Dated:** 11-05-2023

**Dated:** 18-03-2024

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.664	4	0.498	0.20	0.195	5.81	8.53	64080	65720	94090	96500	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Two Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Sub Divisional Officer

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

BSD No.02 Multan.(Const Of New Admin Block High Court Multan Bench Multan)

Client Reference: 2092/SDO 2nd

SOM Lab

Ref:

3824 (Page-1/1)

Dated: 29-02-2024

Dated:

18-03-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.493	6	0.748	0.44	0.439	13.32	18.65	66780	66940	93510	93720	1.40	8.0	17.5	
2	0.667	4	0.500	0.20	0.196	6.17	9.28	68010	69400	102290	104380	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Engr. Umar Waleed

**Test Performed By:**

**Dr. /Engr. Asad Ali Gillani**

Prime Builders & Developers Lahore.(Const Of Apartment Building at 45-B-I Gulberg-III Lahore)

**Client Reference:** PRIME/A/45-B/24

**SOM Lab**

**Ref:** 3826 (Page 1/1)

**Dated:** 18-03-2024

**Dated:** 18-03-2024

**Test:** Tension Test & Bend Test

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

**Gauge Length:** 8 inch

**Sample Type:** M S 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.481	6	0.744	0.44	0.435	12.51	21.30	62700	63420	106790	108020	1.30	8.0	16.3	
2	1.486	6	0.746	0.44	0.437	12.76	21.63	63970	64410	108420	109170	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

D.G.Khan Cement Company Ltd.

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

D.G.Khan.(Evaluation Of Stack Foundation & WHR Old Cooling Tower)

Client Reference: DGKCC/Civil/2980

SOM Lab

Ref:

3827 (Page 1/1)

Dated: 13-03-2024

Dated:

18-03-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

M S 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.542	6	0.759	0.44	0.453	10.27	15.72	51460	49980	78790	76530	2.00	8.0	25.0	SSE-01
2	1.029	5	0.620	0.31	0.302	6.44	10.42	45840	47050	74120	76080	1.60	8.0	20.0	SSW-01
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Two Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)



Syed Mubashar Hassan,RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

NESPAK.(Dualization of Sargodha Khushab Mianwali Road,Group-I)

Client Reference: RE/4376-E/SMH/4a/384

SOM Lab

Ref:

3828 (Page-1/1)

Dated: 11-01-2024

Dated:

18-03-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.666	8	0.998	0.79	0.783	25.38	34.07	70860	71500	95110	95960	1.60	8.0	20.0	
2	2.667	8	0.999	0.79	0.784	25.43	34.05	71000	71550	95050	95780	1.60	8.0	20.0	
3	1.505	6	0.750	0.44	0.442	14.22	18.73	71280	70960	93860	93440	1.60	8.0	20.0	
4	1.505	6	0.750	0.44	0.442	14.55	18.81	72910	72580	94270	93840	1.50	8.0	18.8	
5	0.666	4	0.500	0.20	0.196	6.60	8.82	72730	74210	97230	99220	1.30	8.0	16.3	
6	0.672	4	0.501	0.20	0.197	6.54	8.79	72170	73270	96900	98370	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Asstt: Executive Engr-II

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

CCD Pak.PWD Guj.(Estb of Building For Store/Kots at NHMP Training College Sheikhupura)

**Client Reference:** AEE/CCD/GA/Work/NHMP/P-III/Lab/19

**SOM Lab**

**Ref:** 3829 (Page-1/1)

**Dated:** 14-03-2024

**Dated:** 18-03-2024

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.453	6	0.737	0.44	0.427	12.71	19.98	63720	65660	100150	103200	1.30	8.0	16.3	
2	1.450	6	0.736	0.44	0.426	13.05	20.23	65400	67550	101420	104760	1.40	8.0	17.5	
3	0.672	4	0.501	0.20	0.197	5.81	8.82	64080	65050	97230	98720	1.10	8.0	13.8	
4	0.675	4	0.502	0.20	0.198	5.76	8.82	63510	64160	97230	98220	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Four Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

M.Rafiq & Brothers

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Sialkot.(Const of 8 x Slders Flate "G+3", 23FF,HQ 8 Div at Slk)

**SOM Lab**

**Ref:**

3830 (Page 1/1)

**Client Reference:** 24/10

**Dated:** 19-03-2024

**Dated:**

18-03-2024

**Test:** Tension Test & Bend Test

**Test Specification:**

ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:**

M S 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.481	6	0.744	0.44	0.435	14.65	19.64	73430	74270	98460	99590	1.50	8.0	18.8	
2	1.478	6	0.743	0.44	0.434	14.55	19.54	72910	73920	97950	99300	1.50	8.0	18.8	
3	1.093	5	0.639	0.31	0.321	10.88	13.20	77380	74730	93920	90700	1.20	8.0	15.0	
4	1.086	5	0.637	0.31	0.319	10.99	13.22	78180	75970	94060	91410	1.30	8.0	16.3	
5	0.673	4	0.502	0.20	0.198	6.42	7.82	70820	71540	86220	87090	1.20	8.0	15.0	
6	0.670	4	0.501	0.20	0.197	6.39	7.82	70480	71560	86220	87530	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Six Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

