

Sub Divisional officer,

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

PHE SD-1 Mianwali.(Provision Of Sewerage, Drainage Tuff Tile & PCC In Wan Bhachran Town)

**Client Reference:** 183/MI-I

**SOM Lab**

**Ref:** 316 (Page-1/1)

**Dated:** 16-04-2022

**Dated:** 17-05-2022

**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	1.325	6	0.704	0.44	0.389	18.65	21.36	93510	105760	107040	121080	0.30	8.0	3.8	
2	0.482	4	0.425	0.20	0.142	4.66	8.00	51370	72360	88240	124280	0.80	8.0	10.0	
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**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)

Sub Divisional officer,

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

BSD Shahkot .(Estb Of Trauma Center In THQ Hospital Shahkot Distt Nankana Sahib)

**Client Reference:** 2754/SDO/BSD/SKT

**SOM Lab**

**Ref:** 317 (Page-1/1)

**Dated:** 06-05-2022

**Dated:** 17-05-2022

**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	2.635	8	0.993	0.79	0.774	30.38	38.48	84810	86560	107430	109650	1.00	8.0	12.5	
2	1.566	6	0.765	0.44	0.460	16.46	20.34	82520	78930	101940	97500	1.20	8.0	15.0	
3	0.665	4	0.498	0.20	0.195	6.22	9.38	68570	70330	103420	106070	1.40	8.0	17.5	
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**BEND TEST:**

--	No Bend test performed	<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)

Sub Divisional officer,  
Site Officer PESSI Sargodha.(Const Of Social Security Hospital At Sargodha)

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

**Client Reference:** SS.WW-SGD /1060

**SOM Lab**

**Ref:** 318 (Page-1/1)

**Dated:** 11-05-2022

**Dated:** 17-05-2022

**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	1.466	6	0.741	0.44	0.431	12.05	18.27	60400	61660	91560	93480	1.40	8.0	17.5	
2	0.660	4	0.497	0.20	0.194	5.66	8.02	62390	64320	88470	91200	1.30	8.0	16.3	
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**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)

Sub Divisional officer,  
PESSI Head Office Lhr.(Const Of Monument At SSTH Multan Rd Lahore)

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

**Client Reference:** SS.DC( ) /465

**SOM Lab**

**Ref:** 319 (Page-1/1)

**Dated:** 08-05-2022

**Dated:** 17-05-2022

**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	1.455	6	0.738	0.44	0.428	12.08	18.42	60550	62250	92330	94920	1.30	8.0	16.3	
2	0.657	4	0.496	0.20	0.193	5.78	8.05	63740	66050	88800	92030	1.20	8.0	15.0	
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**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)

Executive Engineer

Test Performed By: Dr. /Engr. Wasim Abbas

Project Civil Div, Pak PWD Sahiwal.(Const Of Additional Office Block For Regional Tax Office Swl)

Client Reference: EE/PCD/SWL/172

SOM Lab

Ref: 320 (Page-1/1)

Dated: 15-04-2022

Dated: 17-05-2022

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	2.583	8	0.983	0.79	0.759	21.97	34.61	61330	63830	96620	100560	1.60	8.0	20.0	
2	2.598	8	0.986	0.79	0.763	21.63	34.45	60390	62530	96190	99590	1.40	8.0	17.5	
3	1.494	6	0.748	0.44	0.439	13.27	20.64	66530	66680	103470	103700	1.20	8.0	15.0	
4	1.491	6	0.747	0.44	0.438	13.30	20.44	66680	66990	102450	102910	1.30	8.0	16.3	
5	0.648	4	0.492	0.20	0.190	5.47	8.48	60370	63540	93530	98450	1.30	8.0	16.3	
6	0.651	4	0.493	0.20	0.191	5.47	8.56	60370	63210	94420	98870	1.20	8.0	15.0	
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**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)

Asif Pervaiz Butt  
RE AYQ Developers Pvt. Ltd.(Union Copmplex)

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab

Ref: 322 (Page-1/1)

Dated: 17-05-2022

Dated: 17-05-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.674	8	1.000	0.79	0.786	24.49	32.49	68360	68710	90700	91160	1.50	8.0	18.8	
2	2.537	8	0.975	0.79	0.746	18.01	28.49	50290	53250	79540	84230	1.60	8.0	20.0	
3	2.554	8	0.978	0.79	0.751	21.61	30.17	60330	63470	84240	88610	1.50	8.0	18.8	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<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)

Muneeb Ahmad Tarar  
Project Engr. Centure Ventures, Lahore (Century 1)

Test Performed By: Dr. /Engr. Bilal Khokhar

Client Reference: CV1/SRT/04  
Dated: 16-05-2022  
Test: Tension Test & Bend Test  
Gauge Length: 8 inch

SOM Lab  
Ref: 323 (Page-1/1)  
Dated: 17-05-2022  
ASTM-A-615  
Sample Type: Deformed Bar (Ittefaq 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	2.643	8	0.995	0.79	0.777	28.95	36.26	80820	82170	101230	102920	1.20	8.0	15.0	
2	2.634	8	0.993	0.79	0.774	28.13	35.98	78550	80170	100460	102530	1.10	8.0	13.8	
3	1.471	6	0.742	0.44	0.432	13.99	17.96	70100	71400	90030	91700	1.10	8.0	13.8	
4	1.472	6	0.743	0.44	0.433	13.97	18.30	70000	71130	91720	93200	1.20	8.0	15.0	
5	0.659	4	0.497	0.20	0.194	5.61	8.31	61830	63740	91610	94450	1.40	8.0	17.5	
6	0.664	4	0.498	0.20	0.195	5.63	8.33	62050	63640	91840	94190	1.20	8.0	15.0	
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**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)

Sub Divisional officer,

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

Works Wing PESSI Lahore.(Const Of Directorate Of Social Security At Sargodha)

**Client Reference:** SS.WW( ) /1059

**SOM Lab**

**Ref:** 324 (Page-1/1)

**Dated:** 19-04-2022

**Dated:** 17-05-2022

**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	1.507	6	0.751	0.44	0.443	16.92	20.31	84820	84240	101780	101090	1.20	8.0	15.0	
2	0.656	4	0.496	0.20	0.193	6.27	7.77	69130	71640	85660	88760	1.10	8.0	13.8	
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**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)



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

Jin Huan  
CEO  
Easy Prefabricated Homes (Pvt.) Ltd.Lahore.

**Client Reference No.:** Nil

Dated: 17-05-2022

**SOM Lab Ref:** CED/SOM/308 (1/1Page)

Dated: 20-05-2022

**Test:** Tensile Test & Load Test

**Sample Type:** PVC Board & Cement Fiber Board

Sr. No.	Sample Type	Sample Size	Area	Ultimate Load	Ultimate stress	Elongation
		( mm )	(mm <sup>2</sup> )	kN	(Mpa)	%
1	PVC Exterior Wall Hanging Board	15 x 1.6	24.0	1.265	52.70	380
2	PVC Exterior Wall Hanging Board	14.5 x 1.6	23.2	1.245	53.66	280

### **Bending Test Results:-**

Sr. No.	Sample Type	Ultimate Load	Ultimate Load	Comments
		(N)	(Kg)	
1	Cement Fiberboard	920	93.8	Cracking occurs at this Load
2	Cement Fiberboard	1240	126.5	Cracking occurs at this Load

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

