

Engr. Zaheer Ud Din Babar

**Test Performed By:**

Dr. /Engr.

Asad Ali Gillani

Dy. General Manager Project, HRL. (Const Of Sky Gardens Tower, Lahore)

**Client Reference:** HRLE/SKG/2022/020

**Dated:** 25-04-2022

**SOM Lab Ref:** CED/SOM/232(Page-1/1)

**Dated:** 25-04-2022

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A 615

**Sample Type:** M S Deformed Bar (AFCO 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	4.856	28	28.07	616	619	295.00	411.50	479	477	668	665	35.0	200	17.5	
2	4.836	28	28.01	616	616	353.00	419.20	573	573	681	681	25.0	200	12.5	
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**BEND TEST:**

28mm	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)

Ivcc Pvt Ltd  
Lahore.(Const Of Starch Pack Green Field)

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

**Client Reference:** Nil  
**SOM Lab Ref:** CED/SOM/244(Page-1/1)  
**Test:** Tension Test & Bend Test  
**Sample Type:** Deformed Bar

**Dated:** 25-04-2022  
**Dated:** 25-04-2022  
**Test Specification:** ASTM-A 615  
**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	2.225	20	18.98	314	283	146.50	186.50	466	518	594	660	25.0	200	12.5	
2	2.234	20	19.04	314	285	151.50	190.20	482	533	605	669	30.0	200	15.0	
3	0.995	12	12.70	113	127	70.70	91.00	625	558	805	719	27.5	200	13.8	
4	0.992	12	12.69	113	126	71.70	89.50	634	568	791	709	25.0	200	12.5	
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**BEND TEST:**

20mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Six Samples Received and Tested
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)

Shakeel Ahmad

**Test Performed By:**

Dr. /Engr.

Asad Ali Gillani

ME TGC Builders.(Project: The Grand Central Mall, TGC, Faisalabad)

**Client Reference:** ME/TGC/Faisalabad

**SOM Lab**

**Ref:**

231 (Page-1/1)

**Dated:** 22-04-2022

**Dated:**

25-04-2022

**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	2.628	8	0.991	0.79	0.772	23.72	33.56	66220	67770	93680	95870	1.20	8.0	15.0	
2	2.572	8	0.981	0.79	0.756	23.57	33.00	65800	68760	92120	96260	1.00	8.0	12.5	
3	1.478	6	0.743	0.44	0.434	13.00	17.93	65150	66050	89880	91120	1.30	8.0	16.3	
4	1.501	6	0.749	0.44	0.441	13.76	20.25	68980	68820	101530	101300	1.30	8.0	16.3	
5	1.027	5	0.620	0.31	0.302	9.89	13.25	70350	72210	94280	96780	1.20	8.0	15.0	
6	1.031	5	0.621	0.31	0.303	10.19	13.58	72520	74200	96600	98830	0.90	8.0	11.3	
7	0.685	4	0.506	0.20	0.201	6.75	8.82	74420	74050	97230	96750	1.00	8.0	12.5	
8	0.682	4	0.505	0.20	0.200	6.47	8.53	71380	71380	94090	94090	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 Twelve Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 5	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)

Deputy Executive Officer

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

Punjab Safe Cities Authority, Lhr. (Restoration/Reloaction/Shifting Of PSCA Infrastructure At diff. Sites)

Client Reference: 4647/Works/PSCA/2022

SOM Lab

Ref: 233 (Page-1/1)

Dated: 20-04-2022

Dated: 25-04-2022

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	1.476	6	0.743	0.44	0.434	15.67	19.49	78530	79620	97690	99050	1.30	8.0	16.3	
2	0.655	4	0.494	0.20	0.192	7.16	9.17	78910	82200	101170	105380	1.00	8.0	12.5	
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**BEND TEST:**

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

Dy Executive Officer (Works)

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

PSCA,Lahore.(Restoration/Relocation/Shifting Of PSCA Infrastructure At Different Sites)

Client Reference: 4647/Works/PSCA/2022

SOM Lab

Ref: 233 (Page-1/1)

Dated: 20-04-2022

Dated: 25-04-2022

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	0.652	4	0.494	0.20	0.192	7.00	8.87	77230	80440	97800	101870	1.00	8.0	12.5	
2	0.651	4	0.493	0.20	0.191	6.90	8.87	76100	79690	97800	102400	1.00	8.0	12.5	
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**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)

Ma Desheng

Test Performed By: Dr. /Engr. Waseem Abbas

PM State Grid CEPET.(500Kv D/C Transmission Line Nokhar S/S-Lahore North S/S-Lahore)

Client Reference: CET/ADB-301A/SEC-I/UET-22-474

SOM Lab

Ref: 234 (Page-1/2)

Dated: 25-04-2022

Dated: 25-04-2022

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.536	6	0.758	0.44	0.451	13.81	19.39	69240	67550	97180	94810	1.30	8.0	16.3	
2	1.505	6	0.750	0.44	0.442	13.07	19.08	65510	65210	95650	95220	1.40	8.0	17.5	
3	1.523	6	0.755	0.44	0.448	13.30	19.16	66680	65490	96060	94340	1.40	8.0	17.5	
4	1.508	6	0.751	0.44	0.443	12.95	19.06	64890	64450	95550	94900	1.30	8.0	16.3	
5	1.513	6	0.753	0.44	0.445	12.97	19.16	65000	64270	96060	94980	1.20	8.0	15.0	
6	0.662	4	0.498	0.20	0.195	6.03	7.85	66550	68250	86560	88780	1.30	8.0	16.3	
7	0.643	4	0.491	0.20	0.189	5.96	8.12	65760	69590	89590	94810	1.30	8.0	16.3	
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Witnessed By: Ibrar Ahmad (Junior Engr.NESPAK),Engr.Usama Ghafor (P.E,CET)

**BEND TEST:**

Sr # (1-5)	Sample bend through 180 degrees Satisfactorily without any crack
Sr # (6-7)	Sample bend through 180 degrees Satisfactorily without any crack

**Note:-**  
  
Only Fourteen 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)

Ma Desheng

**Test Performed By:** Dr. /Engr. Waseem Abbas

PM State Grid CEPET.(500Kv D/C Transmission Line Nokhar S/S-Lahore North S/S-Lahore)

**Client Reference:** CET/ADB-301A/SEC-II/UET-22-475

**SOM Lab**

**Ref:** 234 (Page-2/2)

**Dated:** 25-04-2022

**Dated:** 25-04-2022

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.483	6	0.745	0.44	0.436	12.13	17.74	60810	61360	88910	89720	1.50	8.0	18.8	
2	1.501	6	0.749	0.44	0.441	12.74	18.78	63870	63730	94120	93900	1.50	8.0	18.8	
3	1.511	6	0.752	0.44	0.444	13.05	19.13	65400	64810	95910	95040	1.60	8.0	20.0	
4	1.481	6	0.744	0.44	0.435	14.04	19.01	70360	71170	95290	96390	1.50	8.0	18.8	
5	1.471	6	0.742	0.44	0.432	12.97	18.76	65000	66200	94020	95760	1.30	8.0	16.3	
6	0.647	4	0.492	0.20	0.190	6.14	8.46	67670	71230	93300	98210	1.20	8.0	15.0	
7	0.648	4	0.492	0.20	0.190	6.24	8.56	68800	72420	94420	99390	1.20	8.0	15.0	
8	0.658	4	0.496	0.20	0.193	6.22	8.53	68570	71060	94090	97500	1.20	8.0	15.0	
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**Witnessed By:** Ibrar Ahmad (Junior Engr.NESPAK),Engr.Usama Ghafor (P.E,CET)

**BEND TEST:**

Sr # (1-5)	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Sixteen Samples Received and Tested
Sr # (6-8)	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)

Project Director (North-3)

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

WASO-PAEC.(Const Of 120 Rooms Residential Buiding For Friendship At FFP Site)

Client Reference: WASO-CMD-LOI-158/C

SOM Lab

Ref: 235 (Page-1/1)

Dated: 18-04-2022

Dated: 25-04-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Al Moez 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	0.677	4	0.503	0.20	0.199	6.12	8.72	67450	67790	96110	96590	1.40	8.0	17.5	
2	0.667	4	0.500	0.20	0.196	6.14	8.79	67670	69050	96900	98880	1.20	8.0	15.0	
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**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)



Sub Divisional officer,

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

BSD No.2 Lhr.(Re-Const.Of 6-No Classrooms,StairCase At GGH Scondary School Samanbad)

**Client Reference:** 1086/2nd

**SOM Lab**

**Ref:** 236 (Page-1/1)

**Dated:** 11-04-2022

**Dated:** 25-04-2022

**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	1.484	6	0.745	0.44	0.436	12.49	18.55	62590	63170	92990	93850	1.20	8.0	15.0	
2	1.506	6	0.751	0.44	0.443	12.49	18.98	62590	62170	95140	94500	1.20	8.0	15.0	
3	0.664	4	0.498	0.20	0.195	6.01	8.41	66320	68020	92740	95120	1.40	8.0	17.5	
4	0.656	4	0.496	0.20	0.193	5.91	8.10	65200	67560	89370	92610	1.40	8.0	17.5	
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**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,

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

HSD Arifwala.(Widening/Improvements Of Remaining Portion Of Trikhani Rd Arifwala L=14.50Km)

**Client Reference:** 131/HSD

**SOM Lab**

**Ref:** 237 (Page-1/1)

**Dated:** 25-04-2022

**Dated:** 25-04-2022

**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	1.476	6	0.743	0.44	0.434	15.67	19.49	78530	79620	97690	99050	1.30	8.0	16.3	
2	0.655	4	0.494	0.20	0.192	7.16	9.17	78910	82200	101170	105380	1.00	8.0	12.5	
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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)

Variant  
Gulberg 2 Lahore.

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

Client Reference: VA/29/7

SOM Lab

Ref: 238 (Page-1/1)

Dated: 25-04-2022

Dated: 25-04-2022

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	2.645	8	0.995	0.79	0.777	28.46	36.34	79460	80790	101450	103150	1.40	8.0	17.5	
2	2.632	8	0.992	0.79	0.773	28.21	36.31	78750	80480	101370	103600	1.30	8.0	16.3	
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**BEND TEST:**

# 8	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)

Nasir Mahmood

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

RE ESAC Sector K DHA Multan.(Sec K DHA Main Office & Gate House Building)

Client Reference: RE/ESAC/SECTOR K/142

SOM Lab

Ref: 239 (Page-1/1)

Dated: 22-04-2022

Dated: 25-04-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (SJ 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	1.471	6	0.742	0.44	0.432	14.75	19.69	73940	75310	98720	100540	1.20	8.0	15.0	
2	1.469	6	0.742	0.44	0.432	12.61	17.58	63210	64380	88140	89770	1.30	8.0	16.3	
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**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)

Ahmed Ejaz

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Quantity Surveyor Linker Dev. (Pvt.)Ltd.(Const Of ROLUSTECH Tower,Gulberg III,Lahore)

Client Reference: Nil

SOM Lab

Ref: 240 (Page-1/1)

Dated: 20-04-2022

Dated: 25-04-2022

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	2.602	8	0.987	0.79	0.765	26.10	38.74	72850	75240	108140	111670	1.20	8.0	15.0	
2	1.480	6	0.744	0.44	0.435	13.83	19.18	69340	70140	96160	97270	1.00	8.0	12.5	
3	0.662	4	0.498	0.20	0.195	6.42	8.87	70820	72640	97800	100300	1.00	8.0	12.5	
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**BEND TEST:**

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

M.Saddam Hussain

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

Field Engr. MASCON Associates Lhr.(Improvement & Development Of Jallo Safari Lahore)

Client Reference: MAC-HAC/WLD/LAB/02

SOM Lab

Ref: 241 (Page-1/1)

Dated: 15-04-2022

Dated: 25-04-2022

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	0.662	4	0.498	0.20	0.195	7.03	8.56	77560	79550	94420	96850	0.90	8.0	11.3	
2	0.660	4	0.497	0.20	0.194	7.61	9.35	83970	86570	103080	106270	0.80	8.0	10.0	
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**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)

Sub Divisional officer,

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

BSD Sialkot.(Const.Of Additional Courts In The Remises Of Existing Civil Courts Complex at Sialkot)

**Client Reference:** 455/ST

**SOM Lab**

**Ref:** 242 (Page-1/1)

**Dated:** 17-03-2022

**Dated:** 25-04-2022

**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	2.611	8	0.988	0.79	0.767	23.62	32.62	65940	67920	91070	93800	1.60	8.0	20.0	
2	1.406	6	0.725	0.44	0.413	13.48	19.98	67550	71970	100150	106690	1.00	8.0	12.5	
3	0.671	4	0.501	0.20	0.197	6.07	9.30	66890	67900	102520	104080	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 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](http://www.uet-civil.edu.pk)

Sheikh Maqbool Hassan  
 RE NESPAK. (Dualization Of Sargodha-Khushab-Mianwali Road)

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

Client Reference: RE/4376-E/MH/4c/47

SOM Lab

Ref: 243 (Page-1/1)

Dated: 06-04-2022

Dated: 25-04-2022

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	1.021	5	0.618	0.31	0.300	10.40	13.71	73970	76440	97540	100790	1.00	8.0	12.5	
2	1.016	5	0.617	0.31	0.299	10.47	13.86	74480	77220	98630	102260	1.20	8.0	15.0	
3	0.644	4	0.491	0.20	0.189	5.02	7.49	55310	58530	82620	87430	1.50	8.0	18.8	
4	0.647	4	0.492	0.20	0.190	5.02	7.54	55310	58220	83180	87560	1.40	8.0	17.5	
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**BEND TEST:**

# 5	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)



Premier Developer & Builders

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

Procurement Manager .(Lyalpur Galleria-II Near Four Season Colony Samundri Road,FSD)

Client Reference: LG-II/016

SOM Lab

Ref: 245 (Page-1/1)

Dated: 22-04-2022

Dated: 25-04-2022

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	2.636	8	0.993	0.79	0.775	21.68	32.44	60530	61700	90550	92310	1.40	8.0	17.5	
2	0.652	4	0.494	0.20	0.192	6.29	8.58	69360	72250	94650	98590	1.10	8.0	13.8	
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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
# 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)