

Mr Usama

Test Performed By:

Dr. /Engr.

Ubaid A Mughal

Client Engineer, M/S Stylers International (Pvt) Ltd. 20KM Ferozpur Road Lahore

Client Reference: nil

Dated: 18-01-2019

SOM Lab Ref: CED/SOM/159 (Page-1/1)

Dated: 18-01-2019

Test: Tension 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	3.992	25	25.46	491	509	249.00	362.70	507	490	739	713	30.0	200	15.0	
2	0.990	12	12.67	113	126	59.20	78.00	523	470	690	619	25.0	200	12.5	
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**BEND TEST:**

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-  Only Four Samples Received and Tested</b>
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)

Maj Adnan khalid®

Test Performed By:

Dr. /Engr. M Rizwan Riaz

Dy Dir MTL, Const. of 1-Kanal Villas at DRGCC Club House DHA Ph-6 (M/S Linker Developers Pvt. Ltd. )

Client Reference: 408/241/E/Lab/410/347

SOM Lab Ref: 155-156(Page-1/1)

Dated: 17-01-2019

Dated: 18-01-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

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	2.637	8	0.993	0.79	0.775	33.64	36.82	93910	95730	102790	104780	1.00	8.0	12.5	
2	2.649	8	0.995	0.79	0.778	35.68	43.48	99600	101140	121370	123250	1.00	8.0	12.5	
3	1.493	6	0.748	0.44	0.439	15.49	19.67	77670	77840	98610	98840	1.10	8.0	13.8	
4	1.495	6	0.748	0.44	0.439	15.01	19.16	75210	75390	96060	96280	1.10	8.0	13.8	
5	0.668	4	0.500	0.20	0.196	6.60	10.04	72730	74210	110720	112980	1.10	8.0	13.8	
6	0.667	4	0.500	0.20	0.196	6.60	9.99	72730	74210	110160	112410	1.20	8.0	15.0	
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**BEND TEST:**

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

Ch Abdul Ghafoor  
Resident Engineer, Workers Welfare Complex(Phase-I)Adjacent to Sundar Industrial Estate, Distt. Kasur

Test Performed By: Dr. /Engr. Ubaid A Mughal

Client Reference: RE/PEPAC/Sundar/AB-99

SOM Lab Ref: 157(Page-1/1)

Dated: 17-01-2019

Dated: 18-01-2019

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	0.646	4	0.492	0.20	0.190	6.37	8.28	70260	73960	91280	96080	1.20	8.0	15.0	
2	0.648	4	0.492	0.20	0.190	6.47	8.33	71380	75140	91840	96670	1.10	8.0	13.8	
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**BEND TEST:**

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

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

Maj Adnan khalid®

Test Performed By: Dr. /Engr. M Rizwan Riaz

Dy Dir MTL, Proposed Commercial Plaza, DRGCC Ph-III, DHA Phase-VI, (M/S Construct)

Client Reference: 408/241/E/Lab/409/1344

SOM Lab

Ref: 158(Page-1/1)

Dated: 17-01-2019

Dated: 18-01-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (Kamran Steel)

Gauge Length: 8 inch

Sample Type:

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	1.497	6	0.748	0.44	0.440	13.43	18.67	67290	67290	93610	93610	1.40	8.0	17.5	
2	1.505	6	0.750	0.44	0.442	13.40	18.67	67190	66890	93610	93180	1.50	8.0	18.8	
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**BEND TEST:**

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

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

Ashfaq Hussain  
Shahnaz Banquet Hall, & Food Suppliers, Lahore

Test Performed By: Dr. /Engr. M Rehan Ashraf

Client Reference: nil

SOM Lab

Ref: 160 (Page-1/1)

Dated: 14-01-2019

Dated: 18-01-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	32.11	40.37	89640	90450	112690	113700	1.00	8.0	12.5	
2	2.659	8	0.997	0.79	0.781	31.09	38.91	86800	87800	108620	109880	1.20	8.0	15.0	
3	1.433	6	0.732	0.44	0.421	14.32	18.40	71790	75030	92230	96390	1.10	8.0	13.8	
4	1.531	6	0.757	0.44	0.450	16.26	20.95	81500	79690	105000	102670	1.30	8.0	16.3	
5	0.661	4	0.497	0.20	0.194	6.88	9.19	75880	78220	101390	104530	1.20	8.0	15.0	
6	0.659	4	0.497	0.20	0.194	6.78	9.23	74750	77070	101730	104880	1.10	8.0	13.8	
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**BEND TEST:**

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

Riasat Ali Proprietor  
Lahore

Test Performed By: Dr. /Engr. Ubaid A Mughal

Client Reference: nil

SOM Lab

Ref: 161(Page-1/1)

Dated: 18-01-2019

Dated: 18-01-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	1.535	6	0.758	0.44	0.451	11.39	17.07	57080	55680	85590	83500	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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**BEND TEST:**

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

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

Maj Adnan khalid®

Test Performed By: Dr. /Engr. Ubaid A Mughal

Dy Dir MTL, Infra Dev Works Prism-IX, OHWT No 1 - 5 (Pkg-6 & 7) - (M/S FWO)

Client Reference: 408/241/E/Lab/416/248

SOM Lab

Ref: 162(Page-1/1)

Dated: 18-01-2019

Dated: 18-01-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

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	2.679	8	1.001	0.79	0.787	23.39	34.37	65310	65560	95960	96330	1.60	8.0	20.0	
2	2.683	8	1.002	0.79	0.788	23.34	34.73	65170	65340	96960	97200	1.50	8.0	18.8	
3	2.679	8	1.001	0.79	0.787	23.45	34.45	65460	65710	96190	96560	1.20	8.0	15.0	
4	2.661	8	0.998	0.79	0.782	23.39	34.56	65310	65980	96470	97460	1.30	8.0	16.3	
5	2.681	8	1.002	0.79	0.788	23.45	34.81	65460	65620	97190	97430	1.10	8.0	13.8	
6	2.648	8	0.995	0.79	0.778	23.14	34.81	64600	65600	97190	98680	1.40	8.0	17.5	
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**BEND TEST:**

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

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

S. Shaukat Hussain

Test Performed By:

Dr. /Engr.

Ubaid A Mughal

Incharge (Civil) For Managing Director, Sui Northern Gas Pipelines Ltd. Lahore

Client Reference: CC/40/CRR/Lahore

SOM Lab

Ref:

163(Page-1/1)

Dated: 18-01-2019

Dated:

18-01-2019

Test: Tension Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	0.655	4	0.494	0.20	0.192	7.36	9.02	81160	84540	99480	103630	1.10	8.0	13.8	
2	0.653	4	0.494	0.20	0.192	7.36	9.09	81160	84540	100270	104450	1.00	8.0	12.5	
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**BEND TEST:**

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

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  
PHE Sub Division, Gujranwala

Test Performed By: Dr. /Engr. M Rizwan Riaz

Client Reference: 670/T

SOM Lab

Ref: 164 (Page-1/1)

Dated: 07-01-2019

Dated: 18- 01-2019

Test: Tension Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	1.521	6	0.754	0.44	0.447	10.60	15.75	53140	52310	78940	77710	1.30	8.0	16.3	
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**BEND TEST:**

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

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