

Muhamma Imran  
The Engineer(SFMKBIC-D. G. Khan)

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

Client Reference: PD(DGKIC)/DAP/2020/10359

SOM Lab  
Ref: 2786 (Page-1/1)

Dated: 23-07-2020

Dated: 27-07-2020

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	1.533	6	0.758	0.44	0.451	15.11	19.42	75720	73880	97340	94960	1.00	8.0	12.5	
2	1.504	6	0.750	0.44	0.442	14.58	19.18	73070	72740	96160	95730	1.10	8.0	13.8	
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Witnessed By: Ali Raza AE (E&P) IDAP

**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)

Project Manager  
 Al Jalil Developers, Al Noor Orchards Housing Scheme Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali  
Gillani

Client Reference: ANO-St-L-01

SOM Lab

Ref: 2772 (Page-1/2)

Dated: 22-07-2020

Dated: 23-07-2020

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	2.650	8	0.996	0.79	0.779	31.37	37.26	87570	88800	104010	105480	1.00	8.0	12.5	
2	2.632	8	0.992	0.79	0.773	31.09	36.87	86800	88710	102930	105200	1.10	8.0	13.8	
3	1.563	6	0.764	0.44	0.459	15.16	23.62	75980	72840	118390	113490	1.00	8.0	12.5	
4	1.566	6	0.765	0.44	0.460	15.18	23.67	76080	72770	118640	113480	1.00	8.0	12.5	
5	0.665	4	0.498	0.20	0.195	6.07	9.12	66890	68600	100610	103190	1.10	8.0	13.8	
6	0.662	4	0.498	0.20	0.195	6.03	9.17	66550	68250	101170	103760	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)

Project Manager  
Al Jalil Developers, Al Aziz Residencia Sadoki

Test Performed By: Dr. /Engr.

S. Asad Ali  
Gillani

Client Reference: ANO-St-L-01

SOM Lab

Ref: 2772 (Page-2/2)

Dated: 22-07-2020

Dated: 23-07-2020

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	1.465	6	0.741	0.44	0.431	13.10	18.83	65660	67030	94370	96340	1.20	8.0	15.0	
2	1.481	6	0.744	0.44	0.435	13.15	18.98	65910	66670	95140	96230	1.40	8.0	17.5	
3	0.668	4	0.500	0.20	0.196	6.01	8.92	66320	67680	98360	100370	1.20	8.0	15.0	
4	0.666	4	0.500	0.20	0.196	5.96	8.79	65760	67100	96900	98880	1.10	8.0	13.8	
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**BEND TEST:**

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

Abdul Ghafar  
Project Manager Liberty Builders, Lahore

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

Client Reference: ST/UET/ 20200723

SOM Lab  
Ref: 2773(Page-1/1)

Dated: 23-07-2020

Dated: 23-07-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615  
Deformed Bar( AF  
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	1.435	6	0.733	0.44	0.422	14.95	18.42	74960	78160	92330	96270	0.90	8.0	11.3	
2	1.438	6	0.734	0.44	0.423	14.65	18.52	73430	76380	92840	96570	0.90	8.0	11.3	
3	1.437	6	0.733	0.44	0.422	13.86	18.30	69490	72460	91720	95630	1.00	8.0	12.5	
4	0.657	4	0.496	0.20	0.193	7.29	8.84	80370	83290	97460	100990	1.00	8.0	12.5	
5	0.634	4	0.487	0.20	0.186	7.29	8.84	80370	86420	97460	104800	1.10	8.0	13.8	
6	0.658	4	0.496	0.20	0.193	6.63	8.21	73070	75720	90490	93770	1.00	8.0	12.5	
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**BEND TEST:**

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

S. Shaukat Hussain

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Incharge (Civil), Managing Director, Sui Gas Pipe Lines Ltd. ISLAMABAD

Client Reference: CC/Ipgradation/ISD

SOM Lab

Ref:

2774(Page-1/1)

Dated: 23-07-2020

Dated:

023-07-2020

Test: Tension 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	1.465	6	0.741	0.44	0.431	14.17	19.83	71020	72510	99380	101460	1.30	8.0	16.3	
2	1.494	6	0.748	0.44	0.439	13.99	19.95	70100	70260	99990	100220	1.30	8.0	16.3	
3	1.045	5	0.625	0.31	0.307	10.01	13.25	71220	71910	94280	95200	1.20	8.0	15.0	
4	1.055	5	0.628	0.31	0.310	10.19	14.32	72520	72520	101890	101890	1.10	8.0	13.8	
5	0.667	4	0.500	0.20	0.196	7.19	9.35	79250	80870	103080	105180	1.10	8.0	13.8	
6	0.674	4	0.502	0.20	0.198	7.26	8.43	80040	80850	92960	93900	1.20	8.0	15.0	
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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)