

Wasif Manzoor  
Salman Developers.Lahore.(Park House)

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

Client Reference: Nil

SOM Lab 472 (Page-

Ref: 1/1)

Dated: 08-06-2022

Dated: 13-06-2021

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	2.659	8	0.997	0.79	0.781	23.55	32.18	65740	66500	89840	90880	1.50	8.0	18.8	
2	2.594	8	0.985	0.79	0.762	22.02	30.58	61470	63730	85380	88510	1.40	8.0	17.5	
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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)

Wasif Manzoor  
Salman Developers.Lahore.(Park House)

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

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SOM Lab 472 (Page-

Ref: 1/1)

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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	2.659	8	0.997	0.79	0.781	23.55	32.18	65740	66500	89840	90880	1.50	8.0	18.8	
2	2.594	8	0.985	0.79	0.762	22.02	30.58	61470	63730	85380	88510	1.40	8.0	17.5	
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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)

M. Kaleem Khan

Test Performed By:

Dr. /Engr. Irfan UI Hasan

Commercial Head Khatam-ul -Anbiya Mosque Jandawal Gujrat.

Client Reference: KUAM/UET/06/20-21

SOM Lab 473 (Page-

Ref: 1/1)

Dated: 13-06-2022

Dated: 13-06-2022

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	2.680	8	1.002	0.79	0.788	24.57	32.74	68590	68760	91410	91640	1.50	8.0	18.8	5991
2	2.667	8	0.999	0.79	0.784	27.12	34.96	75700	76280	97610	98360	1.30	8.0	16.3	528
3	2.689	8	1.003	0.79	0.790	25.08	33.81	70010	70010	94400	94400	1.50	8.0	18.8	6623
4	2.652	8	0.996	0.79	0.779	29.71	36.54	82960	84130	102020	103460	1.40	8.0	17.5	172
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**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)

Guarantee Engineers Pvt.Ltd.  
PM Shifa Development Srvices Faisalabad.

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

**Client Reference:** SNHF/SDS/ST/05

**SOM Lab** 474 (Page-

**Ref:** 1/a1)

**Dated:** 13-06-2022

**Dated:** 13-06-2022

**Test:** Tension Test & Bend Test

**Test Specification:**

ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:**

Deformed Bar (SGI 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	2.647	8	0.995	0.79	0.778	23.04	37.26	64320	65310	104010	105620	1.20	8.0	15.0	
2	2.641	8	0.994	0.79	0.776	22.83	37.18	63750	64900	103790	105660	1.20	8.0	15.0	
3	2.681	8	1.002	0.79	0.788	23.19	37.23	64740	64910	103930	104190	1.30	8.0	16.3	
4	2.624	8	0.991	0.79	0.771	22.73	36.65	63460	65030	102310	104830	1.20	8.0	15.0	
5	2.658	8	0.997	0.79	0.781	22.83	36.90	63750	64480	103020	104210	1.10	8.0	13.8	
6	2.645	8	0.995	0.79	0.777	22.85	36.92	63810	64870	103080	104800	1.20	8.0	15.0	
7	1.495	6	0.748	0.44	0.439	12.54	18.55	62850	62990	92990	93210	1.40	8.0	17.5	
8	1.465	6	0.741	0.44	0.431	12.23	18.11	61320	62600	90800	92690	1.30	8.0	16.3	
9	1.534	6	0.758	0.44	0.451	13.46	20.74	67450	65800	103980	101440	1.20	8.0	15.0	
10	1.536	6	0.758	0.44	0.451	13.35	20.85	66940	65300	104490	101940	1.10	8.0	13.8	

**BEND TEST:**

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

Guarantee Engineers Pvt.Ltd.  
PM Shifa Development Svices Faisalabad.

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

**Client Reference:** SNHF/SDS/ST/05

**SOM Lab** 474 (Page-

**Ref:** 1/b1)

**Dated:** 13-06-2022

**Dated:** 13-06-2022

**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	1.480	6	0.744	0.44	0.435	12.49	17.96	62590	63310	90030	91070	1.40	8.0	17.5	
2	1.466	6	0.741	0.44	0.431	12.30	17.91	61670	62960	89780	91650	1.30	8.0	16.3	
3	1.464	6	0.740	0.44	0.430	13.25	20.66	66430	67970	103570	105980	1.20	8.0	15.0	
4	1.503	6	0.750	0.44	0.442	13.51	20.71	67700	67400	103830	103360	1.00	8.0	12.5	
5	0.658	4	0.496	0.20	0.193	5.68	8.15	62610	64890	89930	93190	1.20	8.0	15.0	
6	0.659	4	0.497	0.20	0.194	5.63	8.07	62050	63970	89030	91780	1.30	8.0	16.3	
7	0.659	4	0.497	0.20	0.194	6.42	8.58	70820	73010	94650	97580	1.00	8.0	12.5	
8	0.654	4	0.494	0.20	0.192	6.44	8.53	71040	74000	94090	98010	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 Twelve Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	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)

