

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

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

Client Reference: CV1/SRT/03  
Dated: 27-04-2022  
Test: Tension Test & Bend Test  
Gauge Length: 8 inch

SOM Lab  
Ref: 284 (Page-1/1)  
Dated: 11-05-2022  
Test Specification: 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	2.672	8	1.000	0.79	0.785	34.76	40.88	97040	97660	114120	114840	1.10	8.0	13.8	
2	2.672	8	1.000	0.79	0.785	34.37	39.96	95960	96570	111560	112270	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 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)

Asstt. Executive Engineer

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

Project Civil Div, PWD Sahiwal.(Const Of B/Wall For Distt & Regional Election Commissioner Office)

Client Reference: EE/PCD/SWL/163

SOM Lab

Ref: 285 (Page-1/1)

Dated: 08-04-2022

Dated: 11-05-2022

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	0.660	4	0.497	0.20	0.194	6.85	9.25	75540	77880	101960	105110	1.30	8.0	16.3	
2	0.661	4	0.497	0.20	0.194	5.91	8.28	65200	67220	91280	94100	1.10	8.0	13.8	
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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,  
 BSD NNS.(Const. For The Project GS. No. 346 For The Year 2021-22)

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

**Client Reference:** 1067/SDO/BSD/NNS

**SOM Lab**

**Ref:** 286 (Page-1/7)

**Dated:** 23-04-2022

**Dated:** 11-05-2022

**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	2.646	8	0.995	0.79	0.778	30.63	38.86	85520	86840	108480	110160	1.20	8.0	15.0	
2	1.497	6	0.748	0.44	0.440	16.79	21.00	84160	84160	105260	105260	1.20	8.0	15.0	
3	0.595	4	0.472	0.20	0.175	6.42	7.97	70820	80940	87910	100460	0.90	8.0	11.3	
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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)

Sub Divisional officer,  
 BSD NNS.(Const. For The Project GS. No. 5635 For The Year 2021-22)

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

**Client Reference:** 1109/SDO/BSD/NNS

**SOM Lab**

**Ref:** 286 (Page-2/7)

**Dated:** 10-05-2022

**Dated:** 11-05-2022

**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	2.646	8	0.995	0.79	0.778	30.65	38.58	85570	86890	107710	109380	1.30	8.0	16.3	
2	1.488	6	0.746	0.44	0.437	16.62	20.92	83290	83860	104850	105570	1.30	8.0	16.3	
3	0.594	4	0.472	0.20	0.175	6.44	8.00	71040	81190	88240	100850	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)

Sub Divisional officer,  
 BSD NNS.(Const. For The Project GS. No. 347 For The Year 2021-22)

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

**Client Reference:** 1068/SDO/BSD/NNS

**SOM Lab**

**Ref:** 286 (Page-3/7)

**Dated:** 23-04-2022

**Dated:** 11-05-2022

**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	2.638	8	0.993	0.79	0.775	30.68	38.76	85660	87320	108200	110290	1.30	8.0	16.3	
2	1.498	6	0.748	0.44	0.440	16.69	21.10	83640	83640	105770	105770	1.10	8.0	13.8	
3	0.598	4	0.473	0.20	0.176	6.47	7.97	71380	81120	87910	99890	0.90	8.0	11.3	
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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)

Sub Divisional officer,  
 BSD NNS.(Const. For The Project GS. No. 09 For The Year 2021-22)

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

**Client Reference:** 1062/SDO/BSD/NNS

**SOM Lab**

**Ref:** 286 (Page-4/7)

**Dated:** 22-04-2022

**Dated:** 11-05-2022

**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	2.663	8	0.998	0.79	0.783	30.43	35.39	84950	85710	98810	99690	1.30	8.0	16.3	
2	1.502	6	0.749	0.44	0.441	16.48	21.02	82620	82430	105360	105120	1.20	8.0	15.0	
3	0.593	4	0.471	0.20	0.174	6.27	7.95	69130	79460	87680	100780	0.90	8.0	11.3	
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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)

Sub Divisional officer,  
 BSD NNS.(Const. For The Project GS. No. 874 For The Year 2021-22)

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

**Client Reference:** 1069/SDO/BSD/NNS

**SOM Lab**

**Ref:** 286 (Page-5/7)

**Dated:** 23-04-2022

**Dated:** 11-05-2022

**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	2.619	8	0.990	0.79	0.770	30.89	38.96	86230	88470	108770	111590	1.20	8.0	15.0	
2	1.491	6	0.747	0.44	0.438	16.74	21.38	83900	84280	107150	107640	1.10	8.0	13.8	
3	0.594	4	0.472	0.20	0.175	6.27	7.80	69130	79010	85990	98280	0.90	8.0	11.3	
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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)

Sub Divisional officer,

**Test Performed By:**

**Dr. /Engr.**

Wasim Abbas

BSD NNS.(Const. For The Project GS. No. 876 For The Year 2021-22)

**Client Reference:** 1071/SDO/BSD/NNS

**SOM Lab**

**Ref:**

286 (Page-6/7)

**Dated:** 23-04-2022

**Dated:**

11-05-2022

**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	35.37	84810	86560	98750	100790	1.10	8.0	13.8	
2	1.487	6	0.746	0.44	0.437	16.43	20.95	82370	82930	105000	105720	1.20	8.0	15.0	
3	0.593	4	0.471	0.20	0.174	6.47	8.15	71380	82050	89930	103370	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)



Sub Divisional officer,

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

BSD NNS(For The Project Basic Health Unit Fatheh Darya Teh And Distt NNS For The Year 2021-22)

**Client Reference:** 1060/SDO/BSD/NNS

**SOM Lab**

**Ref:** 286 (Page-7/7)

**Dated:** 22-04-2022

**Dated:** 11-05-2022

**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	2.643	8	0.995	0.79	0.777	30.50	38.63	85150	86570	107860	109660	1.20	8.0	15.0	
2	1.491	6	0.747	0.44	0.438	16.82	21.02	84310	84690	105360	105840	1.20	8.0	15.0	
3	0.592	4	0.471	0.20	0.174	6.44	7.95	71040	81660	87680	100780	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)

Atta Farid

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

RE Nespak Circle Sahiwal.(Const Of Bypass From Royal Hotel To Sarwar Chowk Via Ada Maiwali)

Client Reference: 4267/Sahiwal/ADP/Flyover/AF/02

SOM Lab

Ref: 287 (Page-1/1)

Dated: 10-05-2022

Dated: 11-05-2022

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	2.650	8	0.996	0.79	0.779	22.75	33.15	63520	64420	92550	93850	1.40	8.0	17.5	
2	2.661	8	0.998	0.79	0.782	22.55	33.23	62950	63600	92770	93720	1.50	8.0	18.8	
3	1.424	6	0.730	0.44	0.418	13.66	19.64	68470	72070	98460	103640	1.20	8.0	15.0	
4	1.431	6	0.732	0.44	0.421	13.63	19.67	68320	71400	98610	103060	1.10	8.0	13.8	
5	0.666	4	0.500	0.20	0.196	6.68	8.82	73630	75130	97230	99220	1.30	8.0	16.3	
6	0.675	4	0.502	0.20	0.198	6.75	9.02	74420	75170	99480	100490	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)

