

Engr. Arfan Ullah

**Test Performed By:** Dr. /Engr. Nauman Khurram

Assistant Engr Civil National Skills University Islamabad.(Const of admin Block at NSU Isb Muridke Campus)

**Client Reference:** NSU/adminBlock/2023/MC/22

**SOM Lab**

**Ref:** 1712 (Page-1/2)

**Dated:** 17-07-2025

**Dated:** 01-09-2025

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar

ASTM-A-615

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	1.011	5	0.615	0.31	0.297	8.82	13.32	62730	65480	94790	98940	1.30	8.0	16.3	
2	1.011	5	0.615	0.31	0.297	8.89	13.46	63240	66010	95730	99920	1.30	8.0	16.3	
3	1.015	5	0.616	0.31	0.298	8.87	13.51	63100	65640	96090	99960	1.30	8.0	16.3	
4	1.011	5	0.615	0.31	0.297	8.72	13.46	62010	64720	95730	99920	1.50	8.0	18.8	
5	1.017	5	0.617	0.31	0.299	8.97	13.56	63820	66170	96460	100000	1.40	8.0	17.5	
6	1.015	5	0.616	0.31	0.298	8.79	13.56	62520	65030	96460	100340	1.30	8.0	16.3	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Six 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)

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Assistant Engr Civil National Skills University Islamabad.(Const of admin Block at NSU Isb Muridke Campus)

Client Reference: NSU/adminBlock/2023/MC/22

SOM Lab

Ref: 1712 (Page-2/2)

Dated: 17-07-2025

Dated: 01-09-2025

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	0.658	4	0.496	0.20	0.193	5.73	8.94	63180	65470	98580	102160	1.10	8.0	13.8	
2	0.657	4	0.496	0.20	0.193	5.83	9.28	64300	66630	102290	106000	1.20	8.0	15.0	
3	0.661	4	0.497	0.20	0.194	5.68	8.84	62610	64550	97460	100470	1.20	8.0	15.0	
4	0.653	4	0.494	0.20	0.192	5.71	8.84	62950	65570	97460	101520	1.10	8.0	13.8	
5	0.662	4	0.498	0.20	0.195	5.63	8.79	62050	63640	96900	99380	1.40	8.0	17.5	
6	0.658	4	0.496	0.20	0.193	5.91	9.07	65200	67560	100050	103670	1.10	8.0	13.8	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Six 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)

Anwar Ul Haq  
PM IKAN Engineering Services Pvt Ltd.(Const Of Zong MSC Faisalabad)

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

**Client Reference:** IKAN-FSD-SITE-UET/029

**SOM Lab**

**Ref:** 1713 (Page-1/1)

**Dated:** 01-09-2025

**Dated:** 01-09-2025

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar (Ittehad 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	2.553	8	0.977	0.79	0.750	27.17	34.32	75840	79890	95820	100930	1.00	8.0	12.5	
2	1.577	6	0.768	0.44	0.463	16.07	20.54	80530	76530	102960	97840	1.20	8.0	15.0	
3	0.653	4	0.494	0.20	0.192	6.95	9.28	76660	79860	102290	106560	1.00	8.0	12.5	
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**Witnessed By:** Naeem Yaseen (Supervisor), Umer Khalil (Site Eng, Zong)

**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	

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