Engr Bilal

**Test Performed By:** Engr. M.Saleem Zafar Dr. /Engr. Khokhar

Snr RE NESPAK, EPCM Consultants.(ICB-Works/PICIIP-12) WWTP-Sialkot)

**SOM Lab** 

**Client Reference:** NESPAK/MSZ/UET/WWTP/058 Ref: 1354(Page-1/1) 12-06-2025 Dated: Dated: 21-05-2025

Tension Test & Bend Test Test: **Test Specification: ASTM-A-615** 

Gauge Length: Sample Type: Deformed Bar (Sheikhoo Steel) 8 inch

		D	ia.	Area		Yield	Ultimate	Yield	Stress	Ult. S	Stress			_	
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.645	4	0.492	0.20	0.190	6.60	8.72	72730	76560	96110	101170	1.40	8.0	17.5	
2	0.650	4	0.493	0.20	0.191	6.65	8.72	73290	76750	96110	100640	1.30	8.0	16.3	
3	0.649	4	0.493	0.20	0.191	6.88	8.82	75880	79450	97230	101820	1.20	8.0	15.0	
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## **BEND TEST:** Sample bend through 180 degrees Satisfactorily without any crack Note:-Only Four Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Saad Bin Fareed Test Performed By: Dr. /Engr. Irfan ul Hassan

Project In-Charge Opal Advertising and Interiors.( ABL Sheikhpura Project)

**SOM Lab** 

Client Reference: ABL/SHK/ST-001 Ref: 1355 (Page-1/1)

**Dated:** 12-06-2025 **Dated:** 12-06-2025

Test:Tension Test & Bend TestTest Specification:ASTM-A-615Gauge Length:8 inchSample Type:Deformed Bar

		D	ia.	A	rea	Yield	Ultimate	Yield	Stress	Ult. Stress				_	
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.594	8	0.985	0.79	0.762	25.43	31.19	71000	73610	87080	90280	1.80	8.0	22.5	
2	1.498	6	0.748	0.44	0.440	13.15	17.74	65910	65910	88910	88910	1.70	8.0	21.3	
3	1.041	5	0.624	0.31	0.306	8.56	11.52	60920	61720	81950	83020	1.50	8.0	18.8	
4	0.673	4	0.502	0.20	0.198	5.86	7.85	64640	65290	86560	87430	1.10	8.0	13.8	
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## **BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:-
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 5	Sample bend through 180 degrees Satisfactorily without any crack	Only Eight Samples
# 4	Sample bend through 180 degrees Satisfactorily without any crack	Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

**Test Performed By:** Sub Divisional Officer Dr. /Engr. Irfan ul Hassan

Bhalwal Canal Sub Div at Sargodha.(Const of Outlets of Rattokala Disty)

**SOM Lab** 

**Client Reference:** <u>1061</u> Ref: 1356 (Page-1/1) 12-06-2025 Dated: Dated: 04-06-2025

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615 **Deformed Bar** Gauge Length: 8 inch Sample Type:

		D	Dia.		rea	Yield	Ultimate	Yield	Stress	Ult. Stress				Ē	
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.538	4	0.449	0.20	0.158	4.14	6.09	45640	57770	67110	84950	1.10	8.0	13.8	
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BE	BEND TEST:									_					

	No Bend test performed	Note:-				
		Only One Sample				
		Received and Tested				
Noto: Dloor	an always confirm the regulte of above report on web www. List civil adulak					

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk