

Engr.Syed Muhammad Junaid

**Test Performed By:**

Dr. /Engr. Asad Ali Gillani

Exec Engr. Uni Of Home Echnomics.(Const of Acadmic Block At Uni Of Home Echnomics Lahore)

**Client Reference:** UHE/EE/812

**SOM Lab**

**Ref:** 874 (Page-1/1)

**Dated:** 06-09-2022

**Dated:** 08-09-2022

**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	1.437	6	0.733	0.44	0.422	10.83	17.79	54270	56580	89160	92970	1.50	8.0	18.8	
2	1.419	6	0.729	0.44	0.417	10.91	17.84	54670	57690	89420	94350	1.40	8.0	17.5	
3	0.646	4	0.492	0.20	0.190	5.45	8.26	60140	63310	91050	95840	1.00	8.0	12.5	
4	0.654	4	0.494	0.20	0.192	6.01	8.69	66320	69090	95770	99760	0.90	8.0	11.3	
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**BEND TEST:**

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

Imran Aslam Mughal

Test Performed By:

Dr. /Engr.

Waseem Abbas

G.M Commercial, Mughal Pakistan (Pvt) Ltd.(Construction Of Serena Hotel,Hunza)

Client Reference: 786/MPL-0076/070905/2022

SOM Lab

Ref:

875 (Page-1/1)

Dated: 07-09-2022

Dated:

08-09-2022

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	1.064	5	0.631	0.31	0.313	10.01	13.37	71220	70540	95150	94240	1.40	8.0	17.5	
2	0.666	4	0.500	0.20	0.196	5.93	8.94	65420	66760	98580	100600	1.20	8.0	15.0	
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**BEND TEST:**

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

Muhammad Umair Sajid

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Sr.Engr (Civil)KCP PAEC Jauharabad.(Const Of Hostels For KCP General Hospital At KCP Colony)

Client Reference: KCP(W&S)-Hosp-(Hostels/2019

SOM Lab

Ref: 876 (Page-1/1)

Dated: 07-09-2022

Dated: 08-09-2022

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	1.515	6	0.753	0.44	0.445	13.40	19.06	67190	66440	95550	94480	1.40	8.0	17.5	
2	1.520	6	0.754	0.44	0.447	13.30	18.93	66680	65640	94880	93400	1.30	8.0	16.3	
3	0.672	4	0.501	0.20	0.197	6.80	8.87	74980	76120	97800	99290	1.40	8.0	17.5	
4	0.673	4	0.502	0.20	0.198	6.88	8.94	75880	76640	98580	99580	1.50	8.0	18.8	
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**BEND TEST:**

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

Brig. Saeed Ahmad Malik SI (M) ®  
RE Nespak Lhr.(MCL Projects)

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

Client Reference: 4084/BSAM/104/762

SOM Lab

Ref: 877 (Page-1/1)

Dated: 07-09-2022

Dated: 08-09-2022

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	1.503	6	0.750	0.44	0.442	14.78	20.00	74090	73750	100250	99800	1.20	8.0	15.0	
2	1.492	6	0.747	0.44	0.438	15.11	20.05	75720	76070	100500	100960	1.30	8.0	16.3	
3	0.663	4	0.498	0.20	0.195	7.29	9.28	80370	82430	102290	104920	1.00	8.0	12.5	
4	0.654	4	0.494	0.20	0.192	6.68	9.02	73630	76700	99480	103630	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>  Only Six Samples Received and Tested
# 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)

Engr. Muhammad Zahid Abbas

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Const Manager Zameen NEO.(Construction Of Zameen Neo at Plot No.13 H,Gulberg-III Lahore)

Client Reference: ZD/ZN/GSW/01

SOM Lab

Ref: 878 (Page-1/1)

Dated: 07-09-2022

Dated: 08-09-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (SJ 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	1.460	6	0.739	0.44	0.429	15.57	19.88	78020	80020	99640	102190	1.00	8.0	12.5	
2	1.462	6	0.740	0.44	0.430	15.72	19.54	78790	80620	97950	100230	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>  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)

Executive Engineer  
 PWD PHE Division Kotli.(Water Supply Scheme THQ Sehnsa)

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

Client Reference: 2757-59 XEN/PWD/PHED  
 Dated: 15-08-2022  
 Test: Tension Test & Bend Test  
 Gauge Length: 8 inch

SOM Lab  
 Ref: 879 (Page-1/1)  
 Dated: 08-09-2022  
 Test Specification: ASTM-A-615  
 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	1.526	6	0.755	0.44	0.448	13.48	20.10	67550	66340	100760	98960	1.30	8.0	16.3	
2	1.522	6	0.754	0.44	0.447	13.58	20.29	68060	67000	101680	100090	1.10	8.0	13.8	
3	1.125	5	0.649	0.31	0.331	9.86	15.46	70130	65680	110020	103040	1.10	8.0	13.8	
4	1.127	5	0.649	0.31	0.331	10.77	15.49	76660	71790	110230	103240	1.10	8.0	13.8	
5	0.672	4	0.501	0.20	0.197	6.03	9.19	66550	67560	101390	102940	1.30	8.0	16.3	
6	0.672	4	0.501	0.20	0.197	6.44	9.48	71040	72130	104540	106130	1.20	8.0	15.0	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine Samples Received and Tested
# 5	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)