

Shafqat Rana, PM  
 Union Developers Lahore.(Construction of LMDCTH)

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

**Client Reference:** UA/SO/2024/02

**SOM Lab**

**Ref:** 227 (Page-1/1)

**Dated:** 18-11-2024

**Dated:** 19-11-2024

**Test:** Tension Test & Bend Test

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

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar (Afco 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	1.030	5	0.621	0.31	0.303	10.91	12.81	77600	79390	91160	93270	1.20	8.0	15.0	
2	1.029	5	0.620	0.31	0.302	10.72	12.81	76300	78320	91160	93580	1.30	8.0	16.3	
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**BEND TEST:**

# 5	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)

Ijaz Ahmad, SE

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

Lucky Core Industries.(Const Of Veterinary Pharmaceutical Building at 30KM Lahore Sheikhpura)

Client Reference: Nil

SOM Lab

Ref: 228 (Page-1/1)

Dated: 14-11-2024

Dated: 19-11-2024

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	2.612	8	0.989	0.79	0.768	32.59	41.08	90980	93590	114690	117970	1.40	8.0	17.5	
2	2.617	8	0.990	0.79	0.769	34.25	42.78	95620	98230	119440	122700	1.20	8.0	15.0	
3	1.484	6	0.745	0.44	0.436	16.99	22.19	85180	85960	111230	112250	1.10	8.0	13.8	
4	1.478	6	0.743	0.44	0.434	17.02	21.92	85330	86510	109850	111370	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 Six Samples Received and Tested
# 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)

Mr. Faisal Bhatti(PM)

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Ittefaq Building Solution (Pvt)Ltd.(Sazgar 05 Car Plant)(Sazgar Engg Works Car Plant)

Client Reference: Nil

SOM Lab

Ref:

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Dated: 18-11-2024

Dated:

19-11-2024

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	2.600	8	0.986	0.79	0.764	25.38	35.44	70860	73270	98950	102320	1.30	8.0	16.3	
2	2.594	8	0.985	0.79	0.762	23.47	33.59	65510	67920	93770	97220	1.40	8.0	17.5	
3	1.487	6	0.746	0.44	0.437	14.65	19.59	73430	73930	98210	98880	1.30	8.0	16.3	
4	1.476	6	0.743	0.44	0.434	15.41	20.29	77260	78330	101680	103090	1.40	8.0	17.5	
5	0.667	4	0.500	0.20	0.196	6.75	9.30	74420	75940	102520	104610	1.30	8.0	16.3	
6	0.669	4	0.501	0.20	0.197	7.51	9.58	82850	84110	105670	107270	1.10	8.0	13.8	
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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)

Khalid Bashir

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Ittefaq Building Solution Pvt Ltd.(Project: Diamond Denim by Sapphire,Ferozewattwan)

Client Reference: IBS/SD/ST

SOM Lab

Ref:

230 (Page-1/1)

Dated: 30-09-2024

Dated:

19-11-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Sheikhoo 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	0.670	4	0.501	0.20	0.197	7.31	9.28	80600	81830	102290	103850	1.20	8.0	15.0	
2	0.670	4	0.501	0.20	0.197	6.95	8.89	76660	77830	98020	99510	1.30	8.0	16.3	
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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)

Muhammad Azmat, RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

NESPAK-Turkpak JV Lhr.(Reconstruction of Lady Willingdon Hospital,Lahore)

Client Reference: 4729/13/MA/04/131

SOM Lab

Ref:

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Dated: 18-11-2024

Dated:

19-11-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AF 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	2.666	8	0.998	0.79	0.783	23.11	35.55	64520	65090	99230	100120	1.30	8.0	16.3	
2	2.661	8	0.998	0.79	0.782	22.91	35.22	63950	64600	98320	99330	1.40	8.0	17.5	
3	1.499	6	0.749	0.44	0.441	14.48	20.03	72560	72390	100400	100170	1.20	8.0	15.0	
4	1.493	6	0.748	0.44	0.439	13.97	19.59	70000	70160	98210	98430	1.40	8.0	17.5	
5	0.664	4	0.498	0.20	0.195	6.87	9.76	75770	77710	107580	110330	1.10	8.0	13.8	
6	0.662	4	0.498	0.20	0.195	6.68	9.33	73630	75520	102860	105490	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)