

Mohammad Aslam Siddiqui

Test Performed By:

Dr. /Engr.

Nauman Khurram

Manager C, R & M, Allied Bank Ltd., Engineering Cell South -II, Abdali Tower, Abdali Road, Multan

SOM Lab

Client Reference: nil

Ref:

1274(Page-1/1)

Dated: 19-08-2019

Dated:

21-08-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length:

8 inch

Sample Type:

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.667	8	0.999	0.79	0.784	26.25	34.83	73280	73840	97240	97990	1.70	8.0	21.3	
2	2.656	8	0.997	0.79	0.781	26.27	34.93	73340	74180	97530	98650	1.50	8.0	18.8	
3	2.688	8	1.003	0.79	0.790	26.81	36.46	74850	74850	101800	101800	1.20	8.0	15.0	
4	1.458	6	0.738	0.44	0.428	17.53	22.12	87880	90350	110880	113990	1.10	8.0	13.8	
5	1.456	6	0.738	0.44	0.428	17.45	21.99	87480	89930	110210	113300	1.10	8.0	13.8	
6	1.458	6	0.738	0.44	0.428	17.58	22.04	88140	90610	110470	113570	1.10	8.0	13.8	
7	1.030	5	0.621	0.31	0.303	10.30	13.00	73250	74940	92470	94600	1.00	8.0	12.5	
8	1.044	5	0.625	0.31	0.307	10.32	13.00	73390	74110	92470	93370	1.50	8.0	18.8	
9	1.039	5	0.623	0.31	0.305	10.60	13.20	75420	76660	93920	95460	1.40	8.0	17.5	
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BEND TEST:

# 8(S.1,2,3)	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eighteen Samples Received and Tested
# 6(S.4,5,6)	Sample bend through 180 degrees Satisfactorily without any crack	
# 5(S.7,8,9)	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

Engr Bilal Shahid
 Ittefaq Building Solutions (Pvt) Ltd. Lahore (Project: Superior House)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Superior House/04

SOM Lab

Ref: 1275(Page-1/2)

Dated: 20-08-2019

Dated: 21-08-2019

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.484	6	0.745	0.44	0.436	14.53	18.60	72810	73480	93250	94110	1.20	8.0	15.0	
2	1.518	6	0.754	0.44	0.446	17.99	21.15	90180	88970	106020	104600	1.00	8.0	12.5	
3	0.653	4	0.494	0.20	0.192	6.93	8.89	76440	79620	98020	102110	1.10	8.0	13.8	
4	0.646	4	0.492	0.20	0.190	6.37	8.51	70260	73960	93860	98800	1.00	8.0	12.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- 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

Engr Bilal Shahid
Ittefaq Building Solutions (Pvt) Ltd. Lahore (Project: Superior House)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Superior House/05

SOM Lab

Ref: 1275(Page-2/2)

Dated: 20-08-2019

Dated: 21-08-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.513	6	0.753	0.44	0.445	15.04	19.18	75370	74520	96160	95080	1.20	8.0	15.0	
2	1.518	6	0.754	0.44	0.446	15.26	19.69	76490	75460	98720	97390	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

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

Ali Ahmed
Site Engineer, (ZCC) Zikria Construction Company, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: nil
Dated: 21-08-2019

SOM Lab
Ref: 1276(Page-1/2)
Dated: 21-08-2019

Test: Tension Test & Bend Test Test Specification:

ASTM-A-615
Deformed
Bar

Gauge Length: 8 inch Sample Type:

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.662	4	0.498	0.20	0.195	7.54	8.97	83180	85320	98920	101460	0.90	8.0	11.3	
2	0.660	4	0.497	0.20	0.194	8.00	9.43	88240	90970	103980	107190	0.90	8.0	11.3	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

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

Ali Ahmed
Site Engineer, (ZCC) Zikria Construction Company, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: nil
Dated: 21-08-2019

SOM Lab
Ref: 1276(Page-2/2)
Dated: 21-08-2019

Test: Tension Test & Bend Test Test Specification:

ASTM-A-615
Deformed
Bar

Gauge Length: 8 inch Sample Type:

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.611	8	0.988	0.79	0.767	26.68	34.66	74480	76710	96760	99660	1.00	8.0	12.5	
2	2.603	8	0.987	0.79	0.765	25.74	34.42	71860	74210	96100	99240	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples

		Received and Tested

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