

Engr. Amir Ahmed Khan  
Resident Engineer, M-3 IC Industrial City, Faisalabad

Test Performed By: Dr. /Engr. M Irfan UI Hassan

Client Reference: CRE/M3IC/FIC-040/Lab/469

Dated: 04-07-2020

Test: Tension Test & Bend Test

Test Specification:

SOM Lab

Ref: 2684 (Page-1/1)

Dated: 06-07-2020

ASTM-A-615

Deformed Bar( FF Steel)

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.662	8	0.998	0.79	0.782	26.83	35.04	74900	75670	97810	98810	1.50	8.0	18.8	
2	2.663	8	0.998	0.79	0.783	26.61	34.71	74280	74940	96900	97770	1.60	8.0	20.0	
3	0.697	4	0.511	0.20	0.205	6.78	8.63	74750	72930	95210	92890	1.30	8.0	16.3	
4	0.672	4	0.501	0.20	0.197	6.52	8.26	71940	73040	91050	92440	1.40	8.0	17.5	
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### BEND TEST:

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

Shahid Builders (Pvt) Ltd.  
Lahore

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

Client Reference: SBL/2020/4

Dated: 06-07-2020

Test: Tension Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 2685(Page-1/2)

Dated: 06-07-2020

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	2.675	8	1.000	0.79	0.786	27.34	34.22	76330	76710	95530	96020	1.30	8.0	16.3	
2	1.472	6	0.743	0.44	0.433	13.30	19.15	66680	67760	96010	97560	1.50	8.0	18.8	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  <b>Only Two Samples Received and Tested</b>

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Shahid Builders (Pvt) Ltd.  
Lahore

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

Client Reference: SBL/2020/3

Dated: 06-07-2020

Test: Tension Test

Test Specification:

SOM Lab

Ref: 2685(Page-2/2)

Dated: 06-07-2020

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.661	4	0.497	0.20	0.194	6.73	8.77	74190	76490	96670	99660	1.30	8.0	16.3	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  <b>Only One Sample Received and Tested</b>

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)