

Maj Adnan khalid®

Test Performed By: Dr. /Engr.

S. Asad Ali Gillani

Dy Dir MTL, Proposed Commercial Plaza, DRGCC Ph-III, DHA Ph-VI, (M/S Construct)

Client Reference: 408/241/E/Lab/952/5584

SOM Lab

Ref: 2777(Page-1/1)

Dated: 23-07-2020

Dated: 24-07-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (Kamran

Gauge Length: 8 inch

Sample Type:

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.449	6	0.736	0.44	0.426	12.97	18.62	65000	67130	93350	96420	1.50	8.0	18.8	
2	1.451	6	0.736	0.44	0.426	13.25	18.73	66430	68610	93860	96950	1.40	8.0	17.5	
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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

Abdul Ghafar
Project Manager Liberty Builders, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: ST/UET/ 20200724

SOM Lab
Ref: 2778(Page-1/1)

Dated: 24-07-2020

Dated: 24-07-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615
Deformed Bar(AF
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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.623	8	0.991	0.79	0.771	24.13	34.00	67360	69020	94910	97250	1.10	8.0	13.8	
2	2.514	8	0.970	0.79	0.739	23.92	33.35	66790	71400	93120	99540	1.00	8.0	12.5	
3	2.527	8	0.973	0.79	0.743	24.08	34.35	67220	71470	95900	101970	1.10	8.0	13.8	
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BEND TEST:

# 8	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

Anjum Choudhry
 Production Manager, Izhar Concrete (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: nil

SOM Lab

Ref: 2779 (Page-1/1)

Dated: 24-07-2020

Dated: 24-07-2020

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	2.665	8	0.998	0.79	0.783	26.32	34.30	73480	74140	95760	96620	1.30	8.0	16.3	
2	2.651	8	0.996	0.79	0.779	24.84	33.69	69350	70330	94050	95380	1.10	8.0	13.8	
3	2.654	8	0.997	0.79	0.780	26.45	34.68	73850	74800	96820	98060	1.20	8.0	15.0	
4	1.079	5	0.635	0.31	0.317	9.94	13.56	70710	69150	96460	94330	1.20	8.0	15.0	
5	1.054	5	0.628	0.31	0.310	9.63	12.95	68540	68540	92100	92100	1.30	8.0	16.3	
6	1.054	5	0.628	0.31	0.310	9.76	13.40	69410	69410	95370	95370	1.10	8.0	13.8	
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BEND TEST:

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