

Muhammad Danish Khurshid
 Manager Construction, Orient Electronice (Pvt) Ltd, Lahore

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

Client Reference: OSH-SO/UET/Kamran Steel Test/05082021-31

Dated: 05-08-2021

SOM Lab Ref: CED/SOM/4757 (Page-1/1)

Dated: 05-08-2021

Test: Tensile Test & Bend Test

Test Specification: ASTM-A-615

Sample Type: Deformed Bar

Gauge Length: 200 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.277	19	19.22	284	290	136.50	196.20	481	471	692	677	37.5	200	18.8	
2	2.264	19	19.16	284	288	133.20	193.20	470	462	681	670	37.5	200	18.8	
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BEND TEST:

19mm	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

Sarfraz Rasheed

Test Performed By:

Dr. /Engr. S. Asas Ali Gillani

GM Projects, Ittefaq Building Solution (Pvt) Ltd. Lahore

Client Reference: IBS/CED/FFF-1

SOM Lab Ref: 4758(Page-1/1)

Dated: 05-07-2021

Dated: 05-08-2021

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	2.748	8	1.014	0.79	0.808	24.41	34.71	68160	66640	96900	94740	1.30	8.0	16.3	
2	1.548	6	0.761	0.44	0.455	14.48	20.08	72560	70170	100660	97340	1.50	8.0	18.8	
3	0.693	4	0.510	0.20	0.204	7.36	9.50	81160	79570	104770	102710	1.00	8.0	12.5	
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BEND TEST:

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