

Engr. Sarmad Mehmood
Al-Hayat Residencia, Safari Zoo Road, Off Raiwind Road, Lahore)

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

Client Reference: Nil

SOM Lab

Ref: 275 (Page-1/1)

Dated: 29-04-2022

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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	2.698	8	1.005	0.79	0.793	23.98	35.04	66940	66680	97810	97440	1.40	8.0	17.5	
2	1.467	6	0.741	0.44	0.431	14.70	18.98	73680	75220	95140	97130	1.10	8.0	13.8	
3	0.648	4	0.492	0.20	0.190	5.86	8.21	64640	68040	90490	95250	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