

Sub Divisional Officer  
Highway Sub Division, Sahiwal

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

Client Reference: 206/SW

SOM Lab

Ref: 1950 (Page-1/1)

Dated: 20-12-2019

Dated: 24-12-2019

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.577	6	0.768	0.44	0.463	14.12	21.43	70770	67250	107400	102070	1.10	8.0	13.8	
2	1.556	6	0.763	0.44	0.457	13.56	21.15	67960	65430	106020	102080	1.20	8.0	15.0	
3	0.688	4	0.507	0.20	0.202	5.93	8.99	65420	64780	99150	98160	1.20	8.0	15.0	
4	0.766	4	0.535	0.20	0.225	8.56	10.62	94420	83930	117130	104120	1.00	8.0	12.5	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)