

Engr. Adnan Raza  
Assistant Manager (Engg) Danish School, T T Sing

Test Performed By: Dr. /Engr.

S. Asad Ali  
Gillani

Client Reference: AM/( E)/11/19/189

Dated: 26-11-2019

SOM Lab

Ref: 1785(Page-1/1)

Dated: 27-11-2019

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	1.523	6	0.755	0.44	0.448	15.90	19.80	79710	78290	99230	97460	1.30	8.0	16.3	
2	1.500	6	0.749	0.44	0.441	15.31	19.18	76750	76570	96160	95940	1.20	8.0	15.0	
3	1.045	5	0.625	0.31	0.307	12.74	15.36	90650	91540	109290	110360	1.20	8.0	15.0	
4	1.041	5	0.624	0.31	0.306	11.93	14.70	84850	85960	104580	105940	1.10	8.0	13.8	
5	0.674	4	0.502	0.20	0.198	5.93	9.09	65420	66090	100270	101280	1.30	8.0	16.3	
6	0.673	4	0.502	0.20	0.198	6.21	9.07	68460	69150	100050	101060	1.20	8.0	15.0	
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**BEND TEST:**

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