

Akhtar Rasul
Team Overcs Architects, Lahore

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

Client Reference: nil
Dated: 02-05-2020

SOM Lab Ref: 2523(Page-1/1)
Dated: 03-06-2020

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Bar

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	1.485	6	0.745	0.44	0.436	16.48	19.64	82620	83380	98460	99360	1.00	8.0	12.5	
2	0.732	4	0.523	0.20	0.215	8.48	10.16	93530	87000	112070	104250	0.80	8.0	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four 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

Executive Engineer (PMU)
University of Sargodha

Test Performed By: Dr. /Engr.

S. Asas Ali
Gillani

Client Reference: SU/PMU/PC/490

SOM Lab

Ref: 2524(Page-1/1)

Dated: 19-05-2020

Dated: 03-06-2020

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	2.624	8	0.991	0.79	0.771	24.97	34.22	69720	71440	95530	97890	1.20	8.0	15.0	
2	2.629	8	0.992	0.79	0.773	24.99	34.25	69780	71320	95620	97720	1.20	8.0	15.0	
3	1.483	6	0.745	0.44	0.436	12.69	18.81	63620	64200	94270	95140	1.30	8.0	16.3	
4	1.478	6	0.743	0.44	0.434	12.46	18.88	62440	63300	94630	95940	1.50	8.0	18.8	
5	0.668	4	0.500	0.20	0.196	5.83	8.53	64300	65610	94090	96010	1.20	8.0	15.0	
6	0.656	4	0.496	0.20	0.193	6.01	8.89	66320	68730	98020	101580	1.00	8.0	12.5	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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