

Akash Shahzad Khan,XEN
GE(Army)-II Okara.(Const of Med Store at CMH Oka Cantt)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 6000/Gen/132/E-6
Dated: 06-05-2025
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 1352 (Page-1/1)
Dated: 10-06-2025
Test Specification: ASTM-A-615
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	1.513	6	0.753	0.44	0.445	13.32	21.63	66780	66030	108420	107210	1.00	8.0	12.5	
2	1.510	6	0.752	0.44	0.444	13.20	21.43	66170	65570	107400	106430	1.10	8.0	13.8	
3	1.022	5	0.618	0.31	0.300	8.79	14.55	62520	64600	103490	106940	1.10	8.0	13.8	
4	1.020	5	0.618	0.31	0.300	8.87	14.53	63100	65200	103340	106790	1.20	8.0	15.0	
5	0.663	4	0.498	0.20	0.195	5.71	8.97	62950	64570	98920	101460	1.10	8.0	13.8	
6	0.662	4	0.498	0.20	0.195	5.63	8.87	62050	63640	97800	100300	1.20	8.0	15.0	
7	0.660	4	0.497	0.20	0.194	6.42	9.84	70820	73010	108480	111830	1.20	8.0	15.0	
8	0.659	4	0.497	0.20	0.194	6.49	9.89	71610	73820	109040	112410	1.10	8.0	13.8	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 5	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	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