

Shahzad Muneer,RE

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

G3 Engg Consulting.(Master P/Designing &Resident Type Supv,Strengthening Of Uni Of Narowal)

Client Reference: G3/237/RE/34

SOM Lab

Ref: 3850 (Page-1/1)

Dated: 29-01-2024

Dated: 24-03-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Kamran Steel)

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	2.646	8	0.995	0.79	0.778	23.52	34.30	65650	66670	95760	97240	1.50	8.0	18.8	
2	2.652	8	0.996	0.79	0.779	23.62	34.63	65940	66870	96670	98040	1.40	8.0	17.5	
3	1.463	6	0.740	0.44	0.430	13.30	19.18	66680	68230	96160	98400	1.30	8.0	16.3	
4	1.461	6	0.739	0.44	0.429	13.22	19.08	66270	67970	95650	98100	1.30	8.0	16.3	
5	0.672	4	0.501	0.20	0.197	6.22	8.63	68570	69620	95210	96660	1.10	8.0	13.8	
6	0.662	4	0.498	0.20	0.195	6.07	8.63	66890	68600	95210	97650	1.20	8.0	15.0	
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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