

Syed Samiuddin Ahmed

Test Performed By:

Dr. /Engr.

Nauman Khurram

Senior Resident Engineer, ProMag (Pvt) Ltd Site Office - DHA, Mattital Road, Multan

Client Reference: CRE-M1/Material/368

Dated: 08-11-2019

SOM Lab Ref: CED/SOM/1730(Page-1/1)

Dated: 13-11-2019

Test: Tension & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar(Mughal Steel)

Gauge Length: 200 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.984	12	12.62	113	125	71.50	89.70	632	572	793	718	27.5	200	13.8	
2	0.990	12	12.67	113	126	69.50	89.20	615	552	789	708	25.0	200	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

12mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Zia-Ul-Islam Khan Suri

Test Performed By:

Dr. /Engr.

Nauman Khurram

Assistant Executive Engineer - IV, Central Civil Division-II, Pak PWD, Lahore

Client Reference: AEE -IV/ LCCD-II /43

SOM Lab

Ref:

1731(Page-1/1)

Dated: 11-11-2019

Dated:

13-11-2019

Test: Tension 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	2.630	8	0.992	0.79	0.773	27.47	35.47	76700	78380	99030	101210	1.50	8.0	18.8	
2	2.638	8	0.993	0.79	0.775	27.29	35.07	76180	77660	97900	99790	1.30	8.0	16.3	
3	1.460	6	0.739	0.44	0.429	13.61	19.11	68210	69960	95800	98260	1.30	8.0	16.3	
4	1.459	6	0.739	0.44	0.429	13.73	19.22	68830	70590	96320	98780	1.30	8.0	16.3	
5	0.647	4	0.492	0.20	0.190	6.39	8.43	70480	74190	92960	97860	1.30	8.0	16.3	
6	0.652	4	0.494	0.20	0.192	6.60	8.66	72730	75760	95550	99530	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

--	No Bend test performed	Note:- Only Six Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk