

Syed Samiuddin Ahmed

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

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

Client Reference: CRE/Sec-MI/408

Dated: 07-01-2020

SOM Lab Ref: CED/SOM/2026(Page-1/1)

Dated: 10-01-2020

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	0.891	12	12.00	113	113	65.20	76.60	576	577	677	678	25.0	200	12.5	
2	0.897	12	12.06	113	114	65.20	78.00	576	571	690	683	27.5	200	13.8	
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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

M Kashif Muffy
D.G.M Civil, Nishat Hotal & Properties Ltd., Lahore

Test Performed By: Dr. /Engr. S Asad Ali Gillni

Client Reference: NHPL/28M/ST/01

SOM Lab

Ref: 2028(Page-1/1)

Dated: 17-12-2019

Dated: 10-01-2020

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	2.672	8	1.000	0.79	0.785	27.27	33.56	76130	76610	93680	94280	1.40	8.0	17.5	
2	2.685	8	1.002	0.79	0.789	27.88	34.17	77830	77930	95390	95510	1.50	8.0	18.8	
3	1.503	6	0.750	0.44	0.442	17.25	21.61	86450	86060	108320	107830	1.10	8.0	13.8	
4	1.504	6	0.750	0.44	0.442	18.45	23.34	92480	92060	117010	116480	1.10	8.0	13.8	
5	0.704	4	0.513	0.20	0.207	6.57	9.04	72510	70050	99710	96340	1.50	8.0	18.8	
6	0.708	4	0.515	0.20	0.208	6.65	9.09	73290	70470	100270	96410	1.30	8.0	16.3	
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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

Wajid Ali Shah
GM - Works, FF Steel Lahore

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

Client Reference: Nil

SOM Lab

Ref: 2032(Page-1/1)

Dated: 09-01-2020

Dated: 10-01-2020

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	1.052	5	0.627	0.31	0.309	9.23	13.27	65630	65850	94420	94730	1.10	8.0	13.8	
2	1.051	5	0.627	0.31	0.309	10.16	13.43	72310	72540	95510	95820	1.40	8.0	17.5	
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BEND TEST:

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

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