

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-H/425

Dated: 10-02-2020

SOM Lab Ref: CED/SOM/2245(Page-1/1)

Dated: 02-02-2020

Test: Tension & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar(SJ 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	0.870	12	11.89	113	111	66.20	82.70	585	597	731	746	27.5	200	13.8	
2	0.890	12	12.01	113	113	69.70	86.20	616	615	762	761	25.0	200	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Assistant Executive Engineer,
Pakistan Railway, Faisalabad

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: W/342/13/FAM/Steel-147

Dated: 12-02-2020

Test: Tension Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 12244(Page-1/1)

Dated: 17-02-2020

ASTM-A-615

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	0.664	4	0.498	0.20	0.195	7.51	9.30	82850	84970	102520	105150	1.10	8.0	13.8	
2	0.664	4	0.498	0.20	0.195	7.39	9.12	81500	83590	100610	103190	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Site Engr,
Al-Karam Paper Mill (Pvt) Ltd. Sheikhpura

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

Client Reference: nil

SOM Lab 2247(Page-

Ref: 1/1)

Dated: 17-02-2020

Dated: 217-02-2020

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Guage 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	1.532	6	0.757	0.44	0.450	15.70	21.46	78690	76940	107560	105170	1.20	8.0	15.0	
2	1.518	6	0.754	0.44	0.446	14.73	18.73	73830	72840	93860	92600	1.10	8.0	13.8	
3	0.668	4	0.500	0.20	0.196	6.78	8.69	74750	76280	95770	97730	1.10	8.0	13.8	
4	0.713	4	0.517	0.20	0.210	6.95	9.19	76660	73010	101390	96570	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

Site Engr,
Al-Karam Paper Mill (Pvt) Ltd. Sheikhpura

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

Client Reference: nil

SOM Lab 2247(Page-

Ref: 1/1)

Dated: 17-02-2020

Dated: 217-02-2020

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Guage 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	1.532	6	0.757	0.44	0.450	15.70	21.46	78690	76940	107560	105170	1.20	8.0	15.0	
2	1.518	6	0.754	0.44	0.446	14.73	18.73	73830	72840	93860	92600	1.10	8.0	13.8	
3	0.668	4	0.500	0.20	0.196	6.78	8.69	74750	76280	95770	97730	1.10	8.0	13.8	
4	0.713	4	0.517	0.20	0.210	6.95	9.19	76660	73010	101390	96570	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

ICON Construction Services,
 Engineer & Contractors (Project: Block M-4, House # 4, Lake City)

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: Nil

Dated: 15-02-2020

Test: Tension Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 2250 (Page-1/1)

Dated: 17-02-2020

ASTM-A-615

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	2.596	8	0.986	0.79	0.763	24.24	34.20	67680	70070	95480	98860	1.40	8.0	17.5	
2	2.605	8	0.988	0.79	0.766	24.41	34.17	68160	70290	95390	98380	1.60	8.0	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Test Performed by: Dr. Syed Asad Ali Gillani

RTCC Factory, (Pvt) Ltd.
Faisal Town, Lahore
Engineer Fazal Ameen Asia Consultancy Group of Afghanistan

Client Reference No.: Nil

Dated: nil

SOM Lab Ref: CED/SOM/2246 (Page-1/1)

Dated: 17-02-2020

Test Type: Tensile Test

Sample Type: Nut Bolt (20mm, 16, 12mm Diameter)

Tensile Test Results

Sample No.	Sample Type	Tested Diameter of Bolt (mm)	Ultimate Load (kN)	Ultimate Tensile Stress (MPa)	% age Elongation
1	Nut Bolt (85.0 x 20.0mm)	15.2	150.5	829.39	30.0
2	Nut Bolt (70.0 x 16.0mm)	11.4	81.2	795.53	30.0
3	Nut Bolt (50.0 x 12.2mm)	9.0	46.0	723.0	30.0

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