

Intiaz Ahmad

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Project Manager, A.S. Enterprises, Engineers & Contractors, Lahore(Project Style Textile Mill)

Client Reference: USD/ASE/07

Dated: 30-05-2019

SOM Lab Ref: CED/SOM/925(Page-1/1)

Dated: 31-05-2019

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar(AFCO 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	3.760	25	24.70	491	479	260.20	328.00	530	544	668	685	30.0	200	15.0	
2	7.404	25	34.65	491	943	236.00	300.70	481	251	613	319	32.5	200	16.3	
3	2.499	20	20.13	314	318	168.20	215.50	535	529	686	677	32.5	200	16.3	
4	2.479	20	20.05	314	316	159.70	208.50	508	506	664	661	32.5	200	16.3	
5	1.595	16	16.09	201	203	108.50	135.00	540	534	671	665	25.0	200	12.5	
6	1.608	16	16.15	201	205	111.00	137.20	552	542	682	670	27.5	200	13.8	
7	0.886	12	11.99	113	113	68.70	80.50	607	609	712	714	22.5	200	11.3	
8	0.894	12	12.04	113	114	69.20	84.70	612	608	749	744	20.0	200	10.0	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	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

Ajaz Ahmad Gondal

Test Performed By: Dr. /Engr. M Rizwan Azam

Acting Chief Resident Engineer, Trimu Panjnad Barrages Consultants(TPB Consultants)

Client Reference: TPBC/CRE/1837

SOM Lab Ref: 923(Page-1/1)

Dated: 30-05-2019

Dated: 31-05-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Fazal Steel Islamabad)

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	2.611	8	0.988	0.79	0.767	25.59	35.07	71430	73570	97900	100830	1.30	8.0	16.3	
2	2.577	8	0.982	0.79	0.757	25.66	33.35	71630	74750	93120	97170	1.60	8.0	20.0	
3	1.490	6	0.747	0.44	0.438	16.26	19.85	81500	81870	99480	99940	1.00	8.0	12.5	
4	1.469	6	0.742	0.44	0.432	16.21	19.75	81240	82750	98970	100800	1.00	8.0	12.5	
5	0.664	4	0.498	0.20	0.195	6.09	9.07	67110	68830	100050	102610	1.20	8.0	15.0	
6	0.674	4	0.502	0.20	0.198	6.22	9.58	68570	69260	105670	106730	1.10	8.0	13.8	
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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

Waseem Akhtar Khan
Cotton Web Limited, Lahore

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

Client Reference: nil
Dated: 31-05-2019

SOM Lab
Ref: 924(Page-1/1)
Dated: 31-05-2019

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification:
Sample Type:

ASTM-A-615
Deformed Bar(AFco 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	1.498	6	0.748	0.44	0.440	16.36	21.26	82010	82010	106580	106580	1.20	8.0	15.0	
2	1.443	6	0.735	0.44	0.424	14.60	18.93	73170	75930	94880	98460	1.10	8.0	13.8	
3	0.671	4	0.501	0.20	0.197	5.88	7.82	64860	65850	86220	87530	1.00	8.0	12.5	
4	0.678	4	0.503	0.20	0.199	5.81	7.77	64080	64400	85660	86090	1.00	8.0	12.5	
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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

Maj Adnan khalid®

Test Performed By: Dr. /Engr.

S Asad Ali
Gillani

By Dir MTL, Const of Mosque , Sector -L, DHA Ph-V - (M/S Ghazi Builders)

Client Reference: 408/241/E/Lab/602/051

SOM Lab

Ref: 928(Page-1/1)

Dated: 31-05-2019

Dated: 31-05-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ittefaq 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	2.695	8	1.004	0.79	0.792	30.55	37.92	85290	85070	105860	105600	1.10	8.0	13.8	
2	2.689	8	1.003	0.79	0.790	28.75	36.92	80250	80250	103080	103080	1.00	8.0	12.5	
3	1.497	6	0.748	0.44	0.440	14.58	18.62	73070	73070	93350	93350	1.00	8.0	12.5	
4	1.490	6	0.747	0.44	0.438	15.09	18.91	75620	75970	94780	95220	1.00	8.0	12.5	
5	0.692	4	0.508	0.20	0.203	6.63	9.94	73070	71990	109600	107980	0.90	8.0	11.3	
6	0.685	4	0.506	0.20	0.201	6.78	10.04	74750	74380	110720	110170	0.90	8.0	11.3	
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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

Mohammad Mujahid
Eagle Estate, Gujranwala

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

Client Reference: Dgl-21, 22

SOM Lab

Ref: 929(Page-1/1)

Dated: 31-05-2019

Dated: 31-05-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ittefaq 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	1.505	6	0.750	0.44	0.442	15.82	19.52	79300	78940	97850	97410	1.00	8.0	12.5	
2	0.665	4	0.498	0.20	0.195	7.41	9.43	81720	83820	103980	106650	0.90	8.0	11.3	
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BEND TEST:

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