

Mian Muhammad Saleem

Test Performed By:

Dr. /Engr.

Irfan UI Hasan

PM RFL-Project, Banu Mukhtar. (Roomi Fabric Ltd)(Quid-e-Azam Business Park, SKP)

Client Reference: Nil

Dated: 11-04-2022

SOM Lab Ref: CED/SOM/181(Page-1/1)

Dated: 15-04-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar (Amreli 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	3.889	25	25.11	491	495	276.00	363.50	562	558	741	735	32.5	200	16.3	
2	3.883	25	25.10	491	495	271.00	363.50	552	548	741	735	25.0	200	12.5	
3	2.436	20	19.88	314	310	162.00	186.70	516	523	594	602	35.0	200	17.5	
4	2.441	20	19.90	314	311	164.00	188.00	522	528	598	605	35.0	200	17.5	
5	1.598	16	16.10	201	204	115.70	139.50	575	569	694	686	32.5	200	16.3	
6	1.598	16	16.10	201	204	118.50	142.70	589	582	710	701	32.5	200	16.3	
7	0.887	12	11.99	113	113	68.20	76.50	603	604	676	678	25.0	200	12.5	
8	0.888	12	12.00	113	113	67.00	77.20	592	593	683	683	25.0	200	12.5	
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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

Bhanero Textile Mills Ltd U# 4

Test Performed By:

Dr. /Engr.

Amina Rajpoot

18Km Faisalabad Rd Ferozewatton.(Bhanero Textile Mills (Spinning) Unit-04)

Client Reference: Nil

Dated: 12-04-2022

SOM Lab Ref: CED/SOM/180(Page-1/1)

Dated: 15-04-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

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	2.238	20	19.05	314	285	142.50	181.20	454	500	577	636	40.0	200	20.0	
2	2.246	20	19.09	314	286	140.70	180.50	448	492	575	631	40.0	200	20.0	
3	1.526	16	15.73	201	194	90.50	127.00	450	466	632	654	37.5	200	18.8	
4	1.523	16	15.72	201	194	92.20	128.20	459	476	638	661	40.0	200	20.0	
5	1.026	12	12.90	113	131	72.00	90.20	637	551	798	690	27.5	200	13.8	
6	1.002	12	12.75	113	128	64.50	83.20	570	506	736	653	30.0	200	15.0	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
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

Tahir Mehmood
Builders & Co.

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

Client Reference: Nil

SOM Lab

Ref: 179 (Page-1/1)

Dated: 15-04-2022

Dated: 15-04-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (FF 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	2.619	8	0.990	0.79	0.770	25.05	32.90	69920	71740	91840	94220	1.30	8.0	16.3	
2	1.455	6	0.738	0.44	0.428	14.14	18.67	70870	72860	93610	96230	1.20	8.0	15.0	
3	0.667	4	0.500	0.20	0.196	6.39	8.69	70480	71920	95770	97730	1.00	8.0	12.5	
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BEND TEST:

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

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

Ma Desheng

Test Performed By: Dr. /Engr. Bilal

PM State Grid CEPET.(500Kv D/C Transmission Line Nokhar S/S-Lahore North S/S-Lahore)

Client Reference: CET/ADB-301A/SEC-II/UET-22-461

SOM Lab

Ref: 182 (Page-1/1)

Dated: 15-04-2022

Dated: 15-04-2022

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	2.661	8	0.998	0.79	0.782	25.30	34.63	70630	71360	96670	97660	1.20	8.0	15.0	
2	2.673	8	1.000	0.79	0.786	25.24	34.61	70460	70820	96620	97110	1.30	8.0	16.3	
3	1.506	6	0.751	0.44	0.443	14.19	19.75	71130	70640	98970	98300	1.30	8.0	16.3	
4	1.503	6	0.750	0.44	0.442	14.32	20.08	71790	71470	100660	100200	1.20	8.0	15.0	
5	1.486	6	0.746	0.44	0.437	13.00	18.96	65150	65600	95040	95690	1.40	8.0	17.5	
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Witnessed By: Ibrar Ahmad (Junior Engr.NESPAK),Engr.Usama Ghafor (P.E,CET)

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Ten Samples Received and Tested
# 8	Sample bend through 180 degrees Satisfactorily without any crack	
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 6	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

Premier Developer & Builders

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

Procurement Manager .(Lyallpur Galleria-II Near Four Season Colony Samundri Road,FSD)

Client Reference: LG-II/015

SOM Lab

Ref: 183 (Page-1/1)

Dated: 14-04-2022

Dated: 15-04-2022

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	2.650	8	0.996	0.79	0.779	24.69	34.30	68930	69900	95760	97110	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Two Samples Received and Tested

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

Mohammad Shafi Khan
 PM Etimaad Engg. (Const Of "Halmore Apartments" Gulberg III Lahore)

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

Client Reference: EEL/HO/HLMP/003

SOM Lab

Ref: 184 (Page-1/1)

Dated: 15-04-2022

Dated: 15-04-2022

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	2.632	8	0.992	0.79	0.773	21.48	34.05	59960	61280	95050	97140	1.60	8.0	20.0	
2	1.460	6	0.739	0.44	0.429	12.30	17.96	61670	63260	90030	92340	1.50	8.0	18.8	
3	0.625	4	0.484	0.20	0.184	6.75	9.68	74420	80890	106790	116070	1.00	8.0	12.5	
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BEND TEST:

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