

M. Wahab
 Muhammad Construction Company.(Sapphire Fibres Ltd 03)

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

Client Reference: Nil
SOM Lab Ref: CED/SOM/356 (Page-1/1)
Test: Tension Test & Bend Test
Sample Type: Deformed Bar

Dated: 23-05-2022
Dated: 23-05-2022
Test Specification: ASTM-A 615
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	3.713	25	24.54	491	473	221.00	310.70	450	468	633	657	22.5	200	11.3	
2	3.722	25	24.57	491	474	220.50	309.20	449	466	630	653	27.5	200	13.8	
3	1.566	16	15.94	201	199	106.70	141.00	531	535	701	707	22.5	200	11.3	
4	1.570	16	15.96	201	200	101.70	138.00	506	509	686	690	30.0	200	15.0	
5	0.893	12	12.04	113	114	67.20	78.50	594	591	694	691	20.0	200	10.0	
6	0.888	12	12.00	113	113	65.20	78.50	576	577	694	694	22.5	200	11.3	
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BEND TEST:

25mm	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

Abdul Rauf

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Cubes Construction Lahore.(House # 576 Johar Block Bahria Town Year 2022)

Client Reference: Nil

SOM Lab

Ref:

353 (Page-1/1)

Dated: 23-05-2022

Dated:

23-05-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Mughal 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	0.664	4	0.498	0.20	0.195	7.10	8.63	78350	80360	95210	97650	1.10	8.0	13.8	
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BEND TEST:

# 4	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

Irfan Siddique

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Building Standards Lahore.(Const. Of Akzonobel New Moon Project,Faisalabad)

Client Reference: GT/LTR/220523-048

SOM Lab

Ref:

354-355 (Page-1/1)

Dated: 23-05-2022

Dated:

23-05-2022

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	1.026	5	0.620	0.31	0.302	10.45	13.68	74340	76310	97330	99900	1.20	8.0	15.0	
2	0.672	4	0.501	0.20	0.197	6.88	8.77	75880	77030	96670	98140	1.10	8.0	13.8	
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BEND TEST:

# 6	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. Wahab
 Muhammad Construction Company.(Sapphire Fibres Ltd 03)

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

Client Reference: Nil

SOM Lab

Ref: 356 (Page-1/1)

Dated: 23-05-2022

Dated: 23-05-2022

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	0.679	4	0.505	0.20	0.200	5.93	8.89	65420	65420	98020	98020	1.20	8.0	15.0	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

M. Saleem
Construction Company Engrs & Contractors, Sheikhpura.

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

Client Reference: Nil

SOM Lab

Ref: 357-365 (Page-1/1)

Dated: 23-05-2022

Dated: 23-05-2022

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	1.499	6	0.749	0.44	0.441	14.37	19.64	72050	71880	98460	98240	1.20	8.0	15.0	
2	0.651	4	0.493	0.20	0.191	6.22	8.38	68570	71800	92400	96760	1.20	8.0	15.0	
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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

Nasir Mahmood

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

RE ESAC Sector K DHA Multan.(Sec K DHA Main Office & Gate House Building)

Client Reference: RE/ESAC/SECTOR K/155

SOM Lab

Ref: 358 (Page-1/1)

Dated: 19-05-2022

Dated: 23-05-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (SJ 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	2.698	8	1.005	0.79	0.793	24.54	32.77	68500	68240	91490	91150	1.60	8.0	20.0	
2	2.678	8	1.001	0.79	0.787	22.96	31.62	64090	64330	88280	88610	1.60	8.0	20.0	
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BEND TEST:

# 8	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

Muazam Mehboob
Ittefaq Building Solutions Pvt. Ltd.Lahore.

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

Client Reference: IBS/DFL/ST-125
Dated: 23-05-2022
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 359 (Page-1/1)
Dated: 23-05-2022
Test Specification: ASTM-A-615
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	2.619	8	0.990	0.79	0.770	25.74	34.81	71860	73720	97190	99710	1.40	8.0	17.5	
2	2.657	8	0.997	0.79	0.781	24.94	33.84	69640	70440	94480	95570	1.30	8.0	16.3	
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BEND TEST:

# 8	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

Syed Abul Jabbar
GM Engg. Cotton Web Ltd.Lahore.(ETP Recycling Plant)

Test Performed By: Dr. /Engr. Bilal Ahmad

Client Reference: Nil

SOM Lab

Ref: 360 (Page-1/1)

Dated: 18-05-2022

Dated: 23-05-2022

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	2.681	8	1.002	0.79	0.788	24.57	34.86	68590	68760	97330	97570	1.40	8.0	17.5	
2	2.660	8	0.998	0.79	0.782	24.67	35.29	68870	69580	98520	99530	1.10	8.0	13.8	
3	1.445	6	0.736	0.44	0.425	13.27	18.40	66530	68880	92230	95480	1.30	8.0	16.3	
4	1.444	6	0.735	0.44	0.424	13.48	18.32	67550	70100	91820	95280	1.30	8.0	16.3	
5	0.685	4	0.506	0.20	0.201	6.34	8.92	69920	69570	98360	97870	1.00	8.0	12.5	
6	0.683	4	0.506	0.20	0.201	6.27	8.92	69130	68790	98360	97870	1.20	8.0	15.0	
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BEND TEST:

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

Fahad Ali

Test Performed By: Dr. /Engr. Wasim Abbas

SQN LDR GE (Air) Mushaf.(Const Of MRR OPS Site At Kirana Top At PAF Base Mushaf)

Client Reference: 6100-10/2022/2T/E-6

SOM Lab

Ref: 361 (Page-1/1)

Dated: 03-05-2022

Dated: 23-05-2022

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	2.698	8	1.005	0.79	0.793	27.59	33.89	77040	76750	94620	94270	1.50	8.0	18.8	
2	1.549	6	0.761	0.44	0.455	14.93	19.83	74860	72390	99380	96100	1.10	8.0	13.8	
3	1.073	5	0.633	0.31	0.315	11.67	14.29	83040	81720	101680	100060	1.20	8.0	15.0	
4	0.666	4	0.500	0.20	0.196	5.83	8.26	64300	65610	91050	92910	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Eight Samples Received and Tested</p>
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 5	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