

Imran Shakir

Test Performed By:

Dr. /Engr.

S.Asad Ali Gillani

Imran Construction Company.(Mehmood Textile Unit #6 Chowk Sarwer Shaheed MM Rd Muzafgarh)

Client Reference: Nil

Dated: 18-02-2022

SOM Lab Ref: CED/SOM/5902(Page-1/1)

Dated: 18-02-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	3.817	25	24.88	491	486	238.50	334.20	486	491	681	688	35.0	200	17.5	
2	2.241	20	19.06	314	285	145.20	191.70	462	509	610	672	30.0	200	15.0	
3	1.533	16	15.77	201	195	90.00	122.70	448	461	610	629	35.0	200	17.5	
4	0.878	12	11.94	113	112	61.20	76.20	541	547	674	682	25.0	200	12.5	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eight 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

Hafiz Shoaib Daula
Al Majeed Cold Storage haile Rd Daula Pukhta.

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

Client Reference: STR/ASE/
SOM Lab Ref: CED/SOM/5903(Page-1/1)
Test: Tension Test & Bend Test
Sample Type: M S Deformed Bar

Dated: 15-12-2021
Dated: 18-02-2022
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	1.857	20	17.37	314	237	92.00	141.20	293	389	449	596	37.5	200	18.8	Ravi Steel
2	2.074	20	18.34	314	264	105.90	158.70	337	401	505	601	40.0	200	20.0	Ravi Steel
3	2.282	20	19.24	314	291	130.20	212.00	414	448	675	730	30.0	200	15.0	Ps Steel
4	2.222	20	18.99	314	283	114.20	171.70	364	404	547	607	37.5	200	18.8	Ps Steel
5	2.134	20	18.61	314	272	101.20	156.20	322	373	497	575	35.0	200	17.5	Irfan Steel
6	0.948	12	12.40	113	121	47.50	69.70	420	394	616	578	35.0	200	17.5	Ravi Steel
7	0.950	12	12.42	113	121	46.70	68.00	413	386	601	562	27.5	200	13.8	Ravi
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BEND TEST:

Sr # 1	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Ten Samples Received and Tested
Sr # 3	Sample bend through 180 degrees Satisfactorily without any crack	
Sr # 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

Engr.MUhammad Waqar Younis

Test Performed By:

Dr. /Engr.

S Asad Ali Gillani

ME PU,lahore.(Const.School Of Economics At Q.A.C University Of The Punjab,Lahore)

Client Reference: D-744-MEIV/DE

SOM Lab

5898 (Page-

Ref:

1/1)

Dated: 18-01-2022

Dated:

18-02-2022

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	2.589	8	0.984	0.79	0.761	22.09	30.38	61670	64020	84810	88040	1.60	8.0	20.0	
2	2.566	8	0.980	0.79	0.754	22.70	30.65	63380	66400	85570	89660	1.80	8.0	22.5	
3	1.414	6	0.728	0.44	0.416	13.73	18.35	68830	72800	91970	97280	1.40	8.0	17.5	
4	1.471	6	0.742	0.44	0.432	15.95	20.39	79970	81450	102190	104080	1.10	8.0	13.8	
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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	

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

Engr. Naveed Sadiq
RE Orbit Housing (The Spring Apartments Homes)

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

Client Reference: Nil

SOM Lab 5899 (Page-

Ref: 1/1)

Dated: 17-02-2022

Dated: 18-02-2022

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	2.664	8	0.998	0.79	0.783	23.50	35.12	65600	66180	98040	98920	1.40	8.0	17.5	
2	2.661	8	0.998	0.79	0.782	23.65	35.24	66020	66700	98380	99390	1.40	8.0	17.5	
3	1.536	6	0.758	0.44	0.451	14.19	20.23	71130	69390	101420	98950	1.50	8.0	18.8	
4	1.532	6	0.757	0.44	0.450	14.09	20.29	70620	69050	101680	99420	1.40	8.0	17.5	
5	0.650	4	0.493	0.20	0.191	6.01	8.51	66320	69450	93860	98290	1.10	8.0	13.8	
6	0.646	4	0.492	0.20	0.190	6.19	8.66	68230	71830	95550	100580	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

Sub Divisional Officer,

Test Performed By:

Dr. /Engr. S. Asad Ali Gillani

HSD Okara.(Rehab/Widening/Improv.Of Okara Akbar Rd From Bridge 4/L By NoorShah Rd L15.38Km)

Client Reference: 234

SOM Lab 5900 (Page-

Ref: 1/1)

Dated: 27-01-2022

Dated: 18-02-2022

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	1.524	6	0.755	0.44	0.448	15.77	19.93	79050	77630	99890	98110	1.50	8.0	18.8	
2	1.532	6	0.757	0.44	0.450	15.82	19.90	79300	77540	99740	97520	1.50	8.0	18.8	
3	0.663	4	0.498	0.20	0.195	8.00	9.48	88240	90510	104540	107220	1.00	8.0	12.5	
4	0.663	4	0.498	0.20	0.195	7.95	9.35	87680	89930	103080	105720	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

Syed Mohsin Ali

Test Performed By:

Dr. /Engr. S Asad Ali Gillani

RE QA/QC Deptt. Bahria Town. (Precast Slab At Pajian Drain South Ext. Block Ph-I Bahria Orchard Lhr)

Client Reference: QA/QC-Steel-2502

SOM Lab 5901 (Page-

Ref: 1/1)

Dated: 17-02-2022

Dated: 18-02-2022

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	1.448	6	0.736	0.44	0.426	14.09	19.57	70620	72940	98100	101330	1.10	8.0	13.8	
2	1.462	6	0.740	0.44	0.430	14.48	19.80	72560	74240	99230	101540	1.10	8.0	13.8	
3	0.659	4	0.497	0.20	0.194	6.68	9.07	73630	75910	100050	103140	1.30	8.0	16.3	
4	0.655	4	0.494	0.20	0.192	6.54	8.89	72170	75180	98020	102110	1.20	8.0	15.0	
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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

Hafiz Muhammad Javed

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

MC Sunshine By Stylers International.(Const. Of Sunshine Project)

Client Reference: SPS/BML/006/2022

SOM Lab

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Ref:

1/1)

Dated: 18-02-2022

Dated:

18-02-2022

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	2.586	8	0.984	0.79	0.760	24.33	33.15	67930	70610	92550	96200	1.50	8.0	18.8	
2	2.585	8	0.984	0.79	0.760	24.99	34.05	69780	72540	95050	98800	1.40	8.0	17.5	
3	1.487	6	0.746	0.44	0.437	13.37	19.03	67040	67500	95400	96050	1.30	8.0	16.3	
4	1.492	6	0.747	0.44	0.438	13.46	19.08	67450	67760	95650	96090	1.50	8.0	18.8	
5	0.675	4	0.502	0.20	0.198	6.60	8.31	72730	73470	91610	92540	1.00	8.0	12.5	
6	0.675	4	0.502	0.20	0.198	6.47	8.28	71380	72100	91280	92200	1.20	8.0	15.0	
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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

Test Performed by: .S. Asad Ali Gillani

Farhaan Mobein
C.E.O
Altec Synergy (BMU)
Lahore.

Client Reference No.: Nil

Dated: 28-01-2022

SOM Lab Ref: CED/SOM/5896 (Page 1/1)

Dated: 18-02-2022

Test Type: Tensile Test

Sample Type: Nut - Bolts (M16x65x30mm)

Test Specification: ASTM – F-606

Tensile Test Results

Sample No.	Sample Type	Tested Diameter of Bolt (mm)	Ultimate Load (kN)	Ultimate Tensile Stress (MPa)	% Elongation
1	Nut- Bolt - (16mm)	10.0	41.5	528.40	20

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

Test Performed by: Dr. Syed Asad Ali Gillani

AHMAD JAWAD,
DIRECTOR OPERATIONS,
BANU MUKHTAR

Client Reference No.: BPM/DO/UET/084

Dated: 17-02-2022

SOM Lab Ref: CED/SOM/ 5897(Page-1/1)

Dated: 18-02-2022

Test: Compression Set Test & Hardness

Sample Type: B RUBBER PAD

- COMPRESSION SET TEST (AS PER ASTM-D-395)

S. No.	Thickness of Sample (mm)	Final Thickness (mm)	Compression set (%)
1	12.0	11.93	0.58

- HARDNESS TEST (AS PER ASTM-D-2240)

S. No	Sample Type	Hardness (Shore A)
1	Rubber Pad	69.0