

Munir Industry Pvt. Ltd.
Lahore

Test Performed By: Dr. /Engr. M. Irfan UI Hassan

Client Reference: Nil

SOM Lab Ref: 4860(Page-1/1)

Dated: 25-08-2021

Dated: 25-08-2021

Test: Tension Test

Test

ASTM-F-1554

Specification:

Guage Length: 200 mm

Sample Type: J-Bolt

S.No.	Weight	Dia.		Area		Yield	Ultimate	Yield Stress		Ultimate. Stress		Elongation	Gauge Length	%age Elongation	Reduction of Area(%)
		Nominal	Calculated	Nominal	Calculated	Load	Load	(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	0.216	6	5.86	28.27	27.00	15.00	18.00	531	556	637	667	7.5	50	15.0	66.3
2	0.214	6	5.90	28.27	27.30	13.85	18.50	490	508	654	678	7.5	50	15.0	64.8
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Witness by: Muhammad Ijaz L.T., DHA Lahore

Note:-

Only Three Samples
Received and Tested

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

Sub Divisional Officer
Highway Sub Division, Mainwali

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

Client Reference: 360/SDO/Mwi

SOM Lab Ref: 4851 (Page-1/1)

Dated: 03-08-2021

Dated: 24-08-2021

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	2.612	8	0.989	0.79	0.768	24.64	34.15	68790	70760	95340	98070	1.50	8.0	18.8	
2	2.603	8	0.987	0.79	0.765	24.46	34.10	68300	70530	95190	98300	1.50	8.0	18.8	
3	1.474	6	0.743	0.44	0.433	13.78	19.62	69080	70200	98360	99950	1.10	8.0	13.8	
4	1.469	6	0.742	0.44	0.432	13.71	19.57	68730	70000	98100	99920	1.40	8.0	17.5	
5	0.662	4	0.498	0.20	0.195	6.85	10.01	75540	77480	110390	113220	1.10	8.0	13.8	
6	0.657	4	0.496	0.20	0.193	6.75	10.04	74420	77120	110720	114740	1.00	8.0	12.5	
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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

Abdul Ghafar
Project Manager Liberty Builders, Lahore

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

Client Reference: ST/UET/ 20210824

SOM Lab Ref: 4852(Page-1/1)

Dated: 24-08-2021

Dated: 24-08-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Batala Premium)

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	2.617	8	0.990	0.79	0.769	24.67	35.68	68870	70750	99600	102320	1.30	8.0	16.3	
2	2.610	8	0.988	0.79	0.767	25.08	35.78	70010	72110	99890	102880	1.20	8.0	15.0	
3	2.600	8	0.986	0.79	0.764	25.08	35.85	70010	72390	100090	103490	1.20	8.0	15.0	
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BEND TEST:

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

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

Engineer In Charge

Test Performed By:

Dr. /Engr. S. Asad Ali Gillani

(PMBMC) Panjab Model Bazar, Pakpatan, Management Company,

Client Reference: CSI/MB/2/MWLI/NMB/CONS/NOC/04/15 SOM Lab Ref: 4854(Page-1/1)

Dated: 23-08-2021

Dated: 24-08-2021

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	2.539	8	0.975	0.79	0.746	26.37	34.25	73620	77960	95620	101260	1.20	8.0	15.0	
2	2.532	8	0.973	0.79	0.744	26.27	34.15	73340	77870	95340	101230	1.10	8.0	13.8	
3	1.477	4	0.743	0.20	0.434	18.86	23.01	207950	95830	253700	116920	1.00	8.0	12.5	
4	1.488	4	0.746	0.20	0.437	18.65	22.96	205710	94150	253140	115860	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	
# 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

Muhammad Shabbir

Test Performed By:

Dr. /Engr. S. Asad Ali Gillani

Construction Manager, Opal Deever Developers Pvt. Ltd. Lahore

Client Reference: ZD/ZO/L/032

SOM Lab Ref: 4855(Page-1/1)

Dated: 24-08-2021

Dated: 24-08-2021

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	2.696	8	1.004	0.79	0.792	27.78	36.31	77550	77350	101370	101110	1.40	8.0	17.5	
2	2.628	8	0.991	0.79	0.772	27.01	36.70	75420	77170	102450	104840	1.40	8.0	17.5	
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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

Sajjad Ali Memon
Resident Engineer, Pillar & Sons, DHA Multan

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

Client Reference: P&S/OTH/GEN/00037

SOM Lab Ref: 4504(Page-1/1)

Dated: 16-08-2021

Dated: 24-08-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

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	2.598	8	0.986	0.79	0.763	24.26	32.84	67730	70130	91690	94940	1.30	8.0	16.3	
2	2.603	8	0.987	0.79	0.765	23.72	32.11	66220	68390	89640	92570	1.50	8.0	18.8	
3	1.455	6	0.738	0.44	0.428	14.09	20.25	70620	72600	101530	104370	1.30	8.0	16.3	
4	1.472	6	0.743	0.44	0.433	13.00	18.67	65150	66200	93610	95120	1.40	8.0	17.5	
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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	

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

Sub Divisional Officer
Public Health Engg: Sub Division -II, Mianwali

Test Performed By: Dr. /Engr. M. Irfan UI Hassan

Client Reference: 368-69

SOM Lab Ref: 4858(Page-1/1)

Dated: 17-8-2021

Dated: 24-08-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

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	1.506	6	0.751	0.44	0.443	13.76	18.86	68980	68510	94530	93890	1.30	8.0	16.3	
2	0.668	4	0.500	0.20	0.196	6.22	8.66	68570	69970	95550	97500	1.40	8.0	17.5	
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BEND TEST:

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

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

M. Uzair Siddique
 Birudo Engineers, Engineering Consultants, Lahore Cantt

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

Client Reference: nil

SOM Lab Ref: 4862-63(Page-1/1)

Dated: 25-08-2021

Dated: 25-08-2021

Test: Tension Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed & Round 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	1.253	6	0.685	0.44	0.368	9.76	14.65	48900	58470	73430	87790	1.30	8.0	16.3	Deformed
2	1.240	6	0.681	0.44	0.364	10.21	13.40	51200	61890	67190	81220	1.10	8.0	13.8	Deformed
3	1.154	6	0.657	0.44	0.339	8.61	12.61	43180	56040	63210	82040	0.90	8.0	11.3	Deformed
4	0.399	4	0.386	0.20	0.117	4.10	4.71	45190	77250	51940	88780	1.00	8.0	12.5	Deformed
5	0.385	4	0.379	0.20	0.113	3.52	3.92	38780	68640	43280	76600	0.90	8.0	11.3	Deformed
6	0.398	4	0.386	0.20	0.117	3.41	4.30	37660	64370	47440	81090	0.80	8.0	10.0	Deformed
7	0.597	4	0.472	0.20	0.175	3.26	3.67	35970	41110	40470	46250	1.00	8.0	12.5	Round Bar
8	0.510	4	0.437	0.20	0.150	3.79	4.99	41820	55760	55080	73440	1.50	8.0	18.8	Round Bar
9	0.596	4	0.472	0.20	0.175	3.77	4.99	41590	47540	55080	62950	1.60	8.0	20.0	Round Bar
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Witnessed By: Hashir Zia & Hassan Naqvi

BEND TEST:

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

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

Engr. M. Azeem Ashraf

Test Performed By:

Dr. /Engr. S. Asad Ali Gillani

Flag Square Builder, Etihad Town Raiwind Road, Lahore

Client Reference: FSB/2508/ST

SOM Lab Ref: 4864 (Page-1/1)

Dated: 25-08-2021

Dated: 25-08-2021

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	1.432	6	0.732	0.44	0.421	11.01	18.40	55190	57680	92230	96390	1.50	8.0	18.8	
2	1.432	6	0.732	0.44	0.421	10.83	15.51	54270	56710	77770	81280	1.60	8.0	20.0	
3	1.059	5	0.629	0.31	0.311	9.04	12.39	64330	64120	88120	87830	1.40	8.0	17.5	
4	1.068	5	0.632	0.31	0.314	9.25	12.51	65780	64940	88990	87850	1.40	8.0	17.5	
5	0.662	4	0.498	0.20	0.195	5.98	7.59	65990	67680	83750	85890	1.20	8.0	15.0	
6	0.664	4	0.498	0.20	0.195	6.09	7.72	67110	68830	85100	87280	1.40	8.0	17.5	
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BEND TEST:

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