

MJ International Engg services  
Lahore.(New Lahore City Society Project Of Zaitoon City)

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

**Client Reference:** Nil

**Dated:** 10-09-2022

**SOM Lab Ref:** CED/SOM/870(Page-1/1)

**Dated:** 07-09-2022

**Test:** Tension Test

**Test Specification:** ASTM-F-1554

**Sample Type:** J Bolt

**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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.106	25	22.45	491	396	187.00	232.70	381	473	474	588	37.5	200	18.8	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only One Sample Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Engr. Hassan Mehmood

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

RE G3 Engg Consult.(Const.of DHA Newlife Residency Appartments at 273/1Q Block Ph-II DHA.Lhr)

Client Reference: G3/DHA-NLD/RE/092

SOM Lab

Ref: 867 (Page-1/1)

Dated: 06-09-2022

Dated: 07-08-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Al Moiz 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.711	8	1.007	0.79	0.797	24.46	35.44	68300	67700	98950	98080	1.30	8.0	16.3	
2	2.702	8	1.005	0.79	0.794	24.26	35.22	67730	67390	98320	97830	1.40	8.0	17.5	
3	2.703	8	1.005	0.79	0.794	24.82	35.60	69300	68950	99380	98880	1.40	8.0	17.5	
4	1.581	6	0.769	0.44	0.465	16.51	21.43	82780	78330	107400	101630	1.30	8.0	16.3	
5	1.579	6	0.769	0.44	0.464	13.71	19.88	68730	65170	99640	94480	1.60	8.0	20.0	
6	1.581	6	0.769	0.44	0.465	14.12	19.80	70770	66960	99230	93890	1.50	8.0	18.8	
7	0.662	4	0.498	0.20	0.195	6.27	8.53	69130	70910	94090	96500	1.30	8.0	16.3	
8	0.663	4	0.498	0.20	0.195	6.17	8.43	68010	69750	92960	95350	1.30	8.0	16.3	
9	0.661	4	0.497	0.20	0.194	6.27	8.61	69130	71270	94990	97920	1.20	8.0	15.0	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Twelve 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](http://www.uet-civil.edu.pk)

Muhammad Yar Asif

Test Performed By: Dr. /Engr. Waseem Abbas

Asst. RE NESPAK Muzaffargarh.(Dualization Of Rd From Karam Dad Qureshi To Qasba Gujrat)

Client Reference: SA-467C/HA/01/37

SOM Lab

Ref: 868 (Page-1/1)

Dated: 04-07-2022

Dated: 07-09-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Deformed Bar (Pak

Gauge Length: 8 inch

Sample Type: 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.713	8	1.007	0.79	0.797	26.81	34.96	74850	74190	97610	96750	1.30	8.0	16.3	
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**BEND TEST:**

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

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

MJ International Engg services  
Lahore.(New Lahore City Society Project Of Zaitoon City)

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

Client Reference: Nil  
Dated: 10-09-2022  
Test: Tension Test  
Gauge Length: 8 inch

SOM Lab  
Ref: 870 (Page-1/1)  
Dated: 07-09-2022  
Test Specification: ASTM-F-1554  
Sample Type: J Bolt

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.619	8	0.990	0.79	0.770	24.08	33.94	67220	68970	94770	97230	1.50	8.0	18.8	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only One Sample 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](http://www.uet-civil.edu.pk)

Kamran Khalid

Test Performed By: Dr. /Engr. Wasim Abbas

Pr.Engr (Civil),PAEC,WASO Chashma.(Const Of Cat-I & Cat-II at C-3/C-4 Colony Chashma)

Client Reference: WASO-CMD-LOI-195/C/1770

SOM Lab

Ref: 871 (Page-1/1)

Dated: 26-08-2022

Dated: 07-09-2022

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.496	6	0.748	0.44	0.440	14.32	18.57	71790	71790	93100	93100	1.60	8.0	20.0	
2	1.524	6	0.755	0.44	0.448	14.24	18.73	71380	70110	93860	92190	1.60	8.0	20.0	
3	1.497	6	0.748	0.44	0.440	14.04	18.52	70360	70360	92840	92840	1.40	8.0	17.5	
4	0.683	4	0.506	0.20	0.201	6.17	9.25	68010	67670	101960	101450	1.30	8.0	16.3	
5	0.676	4	0.503	0.20	0.199	6.24	9.30	68800	69140	102520	103030	1.20	8.0	15.0	
6	0.681	4	0.505	0.20	0.200	6.34	9.43	69920	69920	103980	103980	1.30	8.0	16.3	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Eight 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](http://www.uet-civil.edu.pk)

Engr.Syed Faheem Hussain

**Test Performed By:**

Dr. /Engr. Wasim Abbas

RE(M&C,D.G Khan) AZ Engg.Associates.(Estb.Of Mother &Child Block,Teaching Hospital,DG Khan)

**Client Reference:** RE/AZEA/DGK/125

**SOM Lab**

**Ref:** 872 (Page-1/1)

**Dated:** 02-08-2022

**Dated:** 07-09-2022

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.629	8	0.992	0.79	0.773	24.43	33.81	68220	69720	94400	96470	1.50	8.0	18.8	
2	2.627	8	0.991	0.79	0.772	24.16	33.44	67450	69020	93340	95520	1.40	8.0	17.5	
3	1.497	6	0.748	0.44	0.440	14.75	19.93	73940	73940	99890	99890	1.30	8.0	16.3	
4	1.491	6	0.747	0.44	0.438	14.63	19.85	73320	73660	99480	99940	1.20	8.0	15.0	
5	0.663	4	0.498	0.20	0.195	6.34	8.43	69920	71710	92960	95350	1.30	8.0	16.3	
6	0.662	4	0.498	0.20	0.195	6.41	8.58	70710	72520	94650	97080	1.20	8.0	15.0	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Premier Developer & Builders

Test Performed By: Dr. /Engr. Wasim Abbas

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

Client Reference: LG-II/024

SOM Lab

Ref: 873 (Page-1/1)

Dated: 06-09-2022

Dated: 07-09-2022

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.619	8	0.990	0.79	0.770	24.08	33.94	67220	68970	94770	97230	1.50	8.0	18.8	
2	1.484	6	0.745	0.44	0.436	14.85	20.15	74450	75130	101020	101940	1.00	8.0	12.5	
3	0.595	4	0.472	0.20	0.175	5.76	8.56	63510	72590	94420	107910	1.00	8.0	12.5	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

**Test Performed By:** Dr Asad Ali Gillani

Resheel Shamas  
BESTOW Interiors

**Client Reference:** Nil

Dated 07-09-2022

**SOM Laboratory Reference:** CED/SOM/869(Page-1/1)

Dated 07-09-2022

**Test:** Tensile Strength Test , Elongation & Thickness Test

**Sample Type:** Membrane Sheet

**TENSILE STRENGTH AND ELONGATION TEST. (AS PER ASTM-D-412)**

S. No	Sample Size (mm)	Ultimate Load (kN)	Tensile Strength (N/mm <sup>2</sup> )	% Elongation Longitudinal
1	49.0 x 3.5	1.2	6.99	60.0
2	54.0 x 3.5	1.0	5.29	30.0

**THICKNESS TEST**

S. No	Sample Size (mm)	Thickness (mm)
1	Membrane Sheet	3.50



