

Riaz ul Hassan

Test Performed By:

Dr. /Engr.

S.Asad Ali Gillani

Site Engineer,(Vertical Heights Plot No.68 BII Gulberg III Lahore)

Client Reference: Nil

Dated: 09-12-2021

SOM Lab Ref: CED/SOM/5446(Page-1/1)

Dated: 09-12-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar (SJ)

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	3.960	25	25.36	491	505	267.00	342.20	544	529	697	678	32.5	200	16.3	
2	3.959	25	25.34	491	504	265.00	341.20	540	526	695	677	35.0	200	17.5	
3	1.590	16	16.06	201	203	111.00	143.00	552	548	711	706	25.0	200	12.5	
4	1.590	16	16.06	201	203	110.50	143.00	550	546	711	707	30.0	200	15.0	
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**BEND TEST:**

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<p><b>Note:-</b></p> <p>Only Six Samples Received and Tested</p>
16mm	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)

Tameer Construction,  
Construction Manager, (Site: 12/C Zeid Saigol House Gulberg II, Lahore)

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

**Client Reference:** Nil

**SOM Lab**

**Ref:** 5442(Page-1/1)

**Dated:** 22-10-2021

**Dated:** 09-12-2021

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.632	8	0.992	0.79	0.773	28.51	35.80	79600	81350	99950	102140	1.20	8.0	15.0	
2	2.610	8	0.988	0.79	0.767	25.35	34.10	70780	72900	95190	98050	1.40	8.0	17.5	
3	1.508	6	0.751	0.44	0.443	14.27	19.16	71540	71050	96060	95410	0.90	8.0	11.3	
4	1.478	6	0.743	0.44	0.434	12.41	18.40	62190	63040	92230	93500	1.40	8.0	17.5	
5	0.673	4	0.502	0.20	0.198	5.58	7.95	61490	62110	87680	88570	0.90	8.0	11.3	
6	0.671	4	0.501	0.20	0.197	5.63	8.00	62050	63000	88240	89590	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 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)

Maj Adnan Khalid (R) Dy Dir MTL

Test Performed By: Dr. /Engr. Asad Ghalani

DHA Lahore,(Const. Of 18 Green Apartment Complex DRGCC DHA Ph-VI (M/s Construct)

Client Reference: 408/241/E/Lab/176/46

SOM Lab

Ref: 5443(Page-1/1)

Dated: 09-12-2021

Dated: 09-12-2021

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.646	8	0.995	0.79	0.778	28.34	40.67	79120	80340	113550	115300	1.00	8.0	12.5	
2	2.657	8	0.997	0.79	0.781	28.03	39.81	78260	79160	111130	112410	0.90	8.0	11.3	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three 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)

Seref Dover

Test Performed By: Dr. /Engr. Asad Ghalani

SA-RA Group,(ADB-201-2018(Lot 1)220Kv Double Circuit Transmission Line From D.I Khan To Zhob)

Client Reference: MIG/2021/1405

SOM Lab

Ref: 5444(Page-1/1)

Dated: 08-12-2021

Dated: 09-12-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar(Batala Premiumm)

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	2.672	8	1.000	0.79	0.785	24.13	34.42	67360	67790	96100	96720	1.40	8.0	17.5	
2	2.654	8	0.997	0.79	0.780	24.46	34.71	68300	69180	96900	98140	1.50	8.0	18.8	
3	1.990	7	0.863	0.60	0.585	18.86	27.42	69320	71100	100790	103380	1.00	8.0	12.5	
4	1.513	6	0.753	0.44	0.445	15.85	19.72	79450	78560	98870	97760	1.20	8.0	15.0	
5	1.508	6	0.751	0.44	0.443	16.72	20.25	83800	83230	101530	100840	1.00	8.0	12.5	
6	0.666	4	0.500	0.20	0.196	6.22	8.99	68570	69970	99150	101170	1.20	8.0	15.0	
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Witnessed By: Sohaib Ali(Sub Engr.Nespak), M.Adil ( Assistant Manager (T/L) SA-RA Representative).

**BEND TEST:**

sr. #(1-2)	Sample bend through 180 degrees Satisfactorily without any crack	<p><b>Note:-</b></p> <p>Only Twelve Samples Received and Tested</p>
sr. #(3)	Sample bend through 180 degrees Satisfactorily without any crack	
sr. #(4-5)	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](http://www.uet-civil.edu.pk)

Usman Zahid

Test Performed By:

Dr. /Engr.

S Asad Ali Gillani

Operation Manager, Safiya Homes (Pvt.)Ltd, New Garden Town Lahore.

Client Reference: SA/B4/001

SOM Lab

Ref:

5445(Page-1/1)

Dated: 09-12-2021

Dated:

09-12-2021

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.665	4	0.498	0.20	0.195	5.93	8.56	65420	67100	94420	96850	1.30	8.0	16.3	
2	0.668	4	0.500	0.20	0.196	5.93	8.58	65420	66760	94650	96580	1.20	8.0	15.0	
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**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three 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)

Waqas Ali  
Variant, Lahore

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

Client Reference: VA/29/3

SOM Lab

Ref: 5447(Page-1/1)

Dated: 09-12-2021

Dated: 09-12-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

ASTM-A-615

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	2.618	8	0.990	0.79	0.769	26.52	36.97	74050	76070	103220	106040	1.20	8.0	15.0	
2	2.616	8	0.990	0.79	0.769	26.35	36.80	73570	75570	102730	105540	1.40	8.0	17.5	
3	0.676	4	0.503	0.20	0.199	6.52	8.66	71940	72310	95550	96030	1.30	8.0	16.3	
4	0.668	4	0.500	0.20	0.196	6.80	9.28	74980	76510	102290	104380	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 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](http://www.uet-civil.edu.pk)