

Kashif Shahzad  
Manager-Technical Gharibwal Cement Ltd.Lahore

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

Client Reference: GCL/Purchase/UET/014

Dated: 21-08-2025

SOM Lab Ref: CED/SOM/1675 (Page-1/2)

Dated: 22-08-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: 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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.733	25	24.62	491	476	200.70	303.70	409	422	619	639	35.0	200	17.5	H # A
2	3.805	25	24.84	491	485	193.20	301.20	394	399	614	622	37.5	200	18.8	H # A
3	3.815	25	24.88	491	486	207.00	310.00	422	426	632	638	40.0	200	20.0	H # B
4	3.806	25	24.85	491	485	210.00	312.50	428	434	637	645	27.5	200	13.8	H # B
5	3.802	25	24.83	491	484	197.00	298.20	401	407	607	616	37.5	200	18.8	H # 45
6	3.799	25	24.82	491	484	200.50	297.00	408	415	605	614	37.5	200	18.8	H # 45
7	3.822	25	24.90	491	487	247.00	355.20	503	508	724	730	32.5	200	16.3	H # 46
8	3.884	25	25.10	491	495	241.00	347.50	491	488	708	703	32.5	200	16.3	H # 46
9	3.734	25	24.61	491	476	213.00	312.20	434	448	636	657	32.5	200	16.3	H # 544
10	3.764	25	24.71	491	479	211.00	311.20	430	441	634	650	37.5	200	18.8	H # 544

**BEND TEST:**

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

Kashif Shahzad  
 Manager-Technical Gharibwal Cement Ltd.Lahore

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

Client Reference: GCL/Purchase/UET/014

Dated: 21-08-2025

SOM Lab Ref: CED/SOM/1675 (Page-2/2)

Dated: 22-08-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: 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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.531	16	15.76	201	195	90.70	140.20	451	466	697	719	35.0	200	17.5	H# 543
2	1.536	16	15.79	201	196	87.50	142.70	435	448	710	730	27.5	200	13.8	H# 543
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**BEND TEST:**

16mm	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)

Naveed Ahmad

**Test Performed By:** Dr. /Engr. Irfan Ul Hassan

Asst Dir Lab DHA Bahawalpur Cantonment.(Enlistment of Five Star Steel at DHA Bahawalpur)

**Client Reference:** 530/QC/MTL

**SOM Lab**

**Ref:** 1672 (Page-1/1)

**Dated:** 21-08-2025

**Dated:** 22-08-2025

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A-615

Deformed Bar (Five Star)

**Gauge Length:** 8 inch

**Sample Type:**

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	2.611	8	0.988	0.79	0.767	22.94	36.67	64030	65950	102360	105430	1.20	8.0	15.0	
2	1.506	6	0.751	0.44	0.443	13.32	20.66	66780	66330	103570	102870	1.10	8.0	13.8	
3	0.677	4	0.503	0.20	0.199	5.93	9.25	65420	65750	101960	102470	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
# 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)

Sufyan Uppal, PE

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

Baig Developers and Builders Pvt Ltd.Lhr.(Const. Of ICON MALL & TOWER, Bahria Town Lahore)

Client Reference: ST/UET/21082025/04000

SOM Lab

Ref: 1673 (Page-1/3)

Dated: 21-08-2025

Dated: 22-08-2025

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	0.652	4	0.494	0.20	0.192	7.46	9.38	82290	85710	103420	107730	1.10	8.0	13.8	
2	0.646	4	0.492	0.20	0.190	7.36	9.28	81160	85430	102290	107680	1.10	8.0	13.8	
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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)

Sufyan Uppal, PE

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

Baig Developers and Builders Pvt Ltd.Lhr.(Const. Of ICON MALL & TOWER, Bahria Town Lahore)

Client Reference: ST/UET/21082025/0060

SOM Lab

Ref: 1673 (Page-2/3)

Dated: 21-08-2025

Dated: 22-08-2025

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	1.505	6	0.750	0.44	0.442	15.36	21.07	77000	76650	105610	105140	1.10	8.0	13.8	
2	1.458	6	0.738	0.44	0.428	13.73	19.37	68830	70760	97080	99800	1.20	8.0	15.0	
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**BEND TEST:**

# 6	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)

Sufyan Uppal, PE

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

Baig Developers and Builders Pvt Ltd.Lhr.(Const. Of ICON MALL & TOWER, Bahria Town Lahore)

Client Reference: ST/UET/21082025/0008

SOM Lab

Ref: 1673 (Page-3/3)

Dated: 21-08-2025

Dated: 22-08-2025

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	2.592	8	0.985	0.79	0.762	24.52	35.52	68440	70960	99180	102820	1.40	8.0	17.5	
2	2.587	8	0.984	0.79	0.760	25.56	35.29	71350	74160	98520	102410	1.40	8.0	17.5	
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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)

Abdul Baseet

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

ME Banu Mukhtar Contracting(Pvt.) Ltd.(Gulbahar Tower at Plot No.13, Block-D-1 Gulberg-III Lahore)

Client Reference: DOC-BMC/Gulbahar/01

SOM Lab

Ref: 1674 (P-1/1)

Dated: 22-08-2025

Dated: 22-08-2025

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	1.490	6	0.747	0.44	0.438	12.56	17.70	62950	63240	88700	89110	1.30	8.0	16.3	
2	1.491	6	0.747	0.44	0.438	13.68	17.94	68570	68880	89930	90340	1.20	8.0	15.0	
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**BEND TEST:**

# 6	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)

Engr.Riaz Ahmad, RE

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Metroplan-Asian JV Site Office.(Estb Of NSICTR Lahore Phase-1,Pkg-A&D)

Client Reference: Metroplan Asian JV,NSICTR-RE(A&D)/268

SOM Lab

Ref: 1676 (Page-1/1)

Dated: 22-08-2025

Dated: 22-08-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AF 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	2.653	8	0.997	0.79	0.780	23.19	34.35	64740	65570	95900	97130	1.50	8.0	18.8	
2	2.655	8	0.997	0.79	0.780	23.65	35.17	66020	66870	98180	99440	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 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)

Muhammad Jamil Alam  
Head Quality Assurance FF Steel Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 1677 (Page-1/1)

Dated: 20-08-2025

Dated: 22-08-2025

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	1.480	6	0.744	0.44	0.435	14.58	18.67	73070	73910	93610	94680	1.10	8.0	13.8	No. 1
2	1.479	6	0.744	0.44	0.435	13.35	18.62	66940	67710	93350	94420	1.10	8.0	13.8	No. 2
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**BEND TEST:**

--	No Bend test performed	<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)