

Test Performed By: Dr Asad Ali Gillani

Resident Engineer (Civil)
M/S Al-Imam JV FAHHM
Site Office DHA Bahawalpur
(Civil Infrastructure Left Over Works of Sector D2 – DHA Bahawalpur)

Client Reference: RE/AFJV/DHAB/Testing/Sec-D2 LOW/72 Dated: 23-05-2025
SOM Laboratory Reference: CED/SOM/1280(Page-1/1) Dated: 26-05-2025

Test: Compression Test
Sample Type: Cat Eyes (White,Red) (Brand 3M)

Test Results

Sr. No.	Sample Type	Top Dimensions (mm)	Bottom Dimensions (mm)	Thickness (mm)	Inclination (Degree)	Compression Load (Kg)
1	Cat Eyes (White)	70.1 x 42.6	102.2 x 90.4	15.1	28.72°	13761
2	Cat Eyes (Red)	69.9 x 42.0	102.6 x 90.3	15.1	28.29°	14016

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

Lahore.(Project Engro Enfra Share Site ID:ES2-JCB-05521,ES2-JCB-05522)

Dr. /Engr. Asad Ali Gillani

Dated: 20-05-2025

Dated: 26-05-2025

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	1.569	16	15.96	201	200	90.00	129.50	448	450	644	648	32.5	200	16.3	
2	0.985	12	12.64	113	126	80.70	92.50	714	643	818	737	15.0	200	7.5	
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<u>BEND TEST:</u>															
--	No Bend test performed										Note:- Only Two Samples Received and Tested				
Note: Please always confirm the results of above report on web www.uet-civil.edu.pk															

AJ Contractors
Lahore.(Project Tawal Site ID:TWPDIK0001)

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

Client Reference: AJ Contractor/Steel/Tawal/21
SOM Lab Ref: CED/SOM/1281 (Page-1/2)
Test: Tension Test & Bend Test
Sample Type: Deformed Bar

Dated: 20-05-2025
Dated: 26-05-2025
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	1.531	16	15.76	201	195	107.70	136.00	536	553	676	698	25.0	200	12.5	
2	0.992	12	12.68	113	126	75.20	89.00	665	596	787	705	20.0	200	10.0	
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<u>BEND TEST:</u>		
--	No Bend test performed	Note:- Only Two Samples Received and Tested

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

Khurram Saeed
PD Expansion Project Interloop Apparel, Manga.

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

Client Reference: ILP 01

SOM Lab Ref: CED/SOM/1277(Page-1/1)

Test: Tension Test & Bend Test

Sample Type: Deformed Bar

Dated: 23-05-2025

Dated: 26-05-2025

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	2.439	19	19.90	284	311	160.20	211.70	565	516	747	681	35.0	200	17.5	
2	2.423	19	19.83	284	309	157.20	209.50	554	510	739	679	37.5	200	18.8	
3	2.433	19	19.87	284	310	157.20	209.50	554	508	739	676	37.5	200	18.8	
4	0.866	12	11.85	113	110	52.50	71.70	464	477	634	651	35.0	200	17.5	
5	0.861	12	11.82	113	110	52.50	71.70	464	479	634	654	35.0	200	17.5	
6	0.868	12	11.86	113	111	51.70	72.00	457	468	637	652	35.0	200	17.5	
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<u>BEND TEST:</u>			
19mm	Sample bend through 180 degrees Satisfactorily without any crack		Note:- Only Eight Samples Received and Tested
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

ESS-I-AAR Consultant,RE

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

D.G.Kan.(Wid/Impp Of Metalled Rd From MM Rd To College Rd Farooq Minor Fatehpur)

Client Reference: 88

Dated: 22-02-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 1278 (Page-1/1)

Dated: 26-05-2025

ASTM-A-615

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	1.505	6	0.750	0.44	0.442	13.22	19.83	66270	65970	99380	98930	1.40	8.0	17.5	
2	1.498	6	0.748	0.44	0.440	13.25	19.80	66430	66430	99230	99230	1.40	8.0	17.5	
3	0.665	4	0.498	0.20	0.195	6.57	9.02	72510	74360	99480	102030	1.40	8.0	17.5	
4	0.671	4	0.501	0.20	0.197	6.34	8.58	69920	70990	94650	96090	1.30	8.0	16.3	
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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

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

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

SOM Lab
Ref: 1279 (Page-1/1)

Dated: 26-05-2025

Test Specification: ASTM-A-615

Sample Type: Deformed Bar (Aziz Steel)

[illegible]

BEND TEST:

# 6	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

Engr. Abdullah **Test Performed By:** Dr. /Engr. Asad Ali Gillani
P & C Engineer Ittefaq Building Solution Pvt Ltd.(AM International, Raiwind Road Lahore)

Client Reference:	<u>Nil</u>	SOM Lab	
Dated:	26-05-2025	Ref:	1282 (Page-2/3)
Test:	Tension Test & Bend Test	Dated:	26-05-2025
Gauge Length:	8 inch	Test Specification:	ASTM-A-615
		Sample Type:	Deformed Bar (Kamran Steel)

[illegible]

BEND TEST:

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

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

Engr. Abdullah

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

P & C Engineer Ittefaq Building Solution Pvt Ltd.(AM International, Raiwind Road Lahore)

Client Reference: Nil

SOM Lab

Dated: 26-05-2025

Ref: 1282 (Page-3/3)

Dated: 26-05-2025

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.640	8	0.994	0.79	0.776	24.57	33.35	68590	69820	93120	94800	1.40	8.0	17.5	
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BEND TEST:

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

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

Engineer SESPL Saif Engg Lahore.(Const of Compressor and Boiler Room in Sapphire Fiber Ltd)

essor and Boiler Room in Sapphire Fiber Ltd)

SOM Lab

Dated: 26-05-2025

Dated: 26-05-2025

Test Specification: ASTM-A-615

Sample Type: Deformed Bar

[illegible]

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

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