Umer Karimi (Lead Engineer)
Building Standards Ltd Lahore.

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

Client Reference: BS/251013-053
Dated: 13-10-2025

SOM Lab Ref: 1924(Page-1/1)
Dated: 13-10-2025

Test: Tension Test
Guage Length: 200 mm

Test Specification: ASTM-A-615
Sample Type: MS 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)				
	kg/m	mm	mm	mm^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.182	20	18.81	314	278	146.70	192.50	467	528	613	693	35.0	200	17.5	Mughal
2	0.877	12	11.93	113	112	54.00	75.50	478	484	668	676	32.5	200	16.3	Mughal
3	2.206	20	18.92	314	281	137.50	187.50	438	490	597	668	35.0	200	17.5	Moiz
4	0.962	12	12.49	113	123	51.20	73.50	453	418	650	600	30.0	200	15.0	Moiz
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Test Performed by: .S. Asad Ali Gillani

Misha Asad
Manager Proposal & Contracts
Fiber Craft Industries, Lahore.

Client Reference No.: Nil Dated: 13-10-2025

SOM Lab Ref: CED/SOM/1927 (Page 1/1) Dated: 13-10-2025

Test Type: Tension

Specification: ASTM D 3093

Sample Type: Fiberglass Filament Wound Tank

Tension Test Results

Sample No.	Sample Size	Area (mm^2)	Ultimate Breaking Load (kN)	Ultimate Breaking Strength (MPa)
1	24.4 x 11.2	273.28	10.7	39.15
2	24.5 x 10.2	249.90	10.0	40.02

Note: Please always confirm the results on web 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/21 **Dated:** 08-10-2025
SOM Lab Ref: CED/SOM/1923 (Page-1/2) **Dated:** 13-10-2025
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^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.830	25	24.93	491	488	231.20	314.20	471	474	640	644	37.5	200	18.8	H # 1342
2	3.821	25	24.90	491	487	232.00	315.00	473	477	642	648	40.0	200	20.0	H # 1342
3	2.461	20	19.98	314	313	141.00	200.50	449	450	638	640	40.0	200	20.0	H # 2756
4	2.532	20	20.26	314	322	147.00	207.50	468	456	660	644	42.5	200	21.3	H # 2756
5	2.437	20	19.88	314	310	153.00	212.00	487	493	675	683	35.0	200	17.5	H # 2755
6	2.436	20	19.88	314	310	154.00	212.00	490	497	675	684	37.5	200	18.8	H # 2755
7	2.477	20	20.04	314	315	145.00	209.00	462	460	665	663	37.5	200	18.8	H # 2747
8	2.444	20	19.91	314	311	154.20	212.00	491	496	675	681	32.5	200	16.3	H # 2747
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack
20mm	Sample bend through 180 degrees Satisfactorily without any crack
20mm	Sample bend through 180 degrees Satisfactorily without any crack
20mm	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Twelve Samples Received and Tested

Note: Please always confirm the results of above report on web 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/21 **Dated:** 08-10-2025
SOM Lab Ref: CED/SOM/1923 (Page-2/2) **Dated:** 13-10-2025
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^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.901	12	12.10	113	115	60.20	79.00	532	524	699	687	35.0	200	17.5	H # 694
2	0.896	12	12.06	113	114	54.70	74.20	484	480	656	650	35.0	200	17.5	H # 694
3	0.871	12	11.89	113	111	61.00	77.70	539	550	687	701	35.0	200	17.5	H # 692
4	0.865	12	11.84	113	110	61.50	77.50	544	559	685	704	32.5	200	16.3	H # 692
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

12mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Engr.Suleman Khan, RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Asian Consultings Engr. Lahore.(Supervision of Additional Blocl at W.W School Boys & Girls Peoples Colony Guj)

Client Reference: AsCE/PWWF-GWJ/011 **SOM Lab Ref:** 1930 (Page-1/1)

Dated: 29-09-2025 **Dated:** 13-10-2025

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Farooq 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	1.511	6	0.752	0.44	0.444	15.26	20.49	76490	75800	102700	101780	1.20	8.0	15.0	
2	1.513	6	0.753	0.44	0.445	13.97	20.18	70000	69220	101170	100030	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Zain Ali Haseeb **Test Performed By:** **Dr. /Engr.** Nauman Khurram

RE Nespak Lhr.(Sustainable Development Of Gulberg Scheme Block A,B,C& E-I Lahore)

Client Reference: 3772/103/LDA-GR/ZAH/04/19 **SOM Lab Ref:** 1922 (Page-1/1)

Dated: 18-09-2025 **Dated:** 13-10-2025

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Mughal 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	0.644	4	0.491	0.20	0.189	6.07	8.15	66890	70780	89930	95160	1.20	8.0	15.0	
2	0.641	4	0.489	0.20	0.188	6.22	8.28	68570	72950	91280	97100	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 4	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

Mainmoon Nasim
Lahore.

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

Client Reference: Nil
Dated: 13-10-2025

SOM Lab Ref: 1925-1926 (P-1/1)
Dated: 13-10-2025

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: 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	2.639	8	0.994	0.79	0.776	26.81	33.76	74850	76200	94250	95950	1.80	8.0	22.5	1
2	2.563	8	0.979	0.79	0.753	24.87	31.77	69440	72850	88700	93060	1.70	8.0	21.3	2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

--	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

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

Area Engr Attock Petroleum Ltd.(APL Retail Outlet Izmir Town, Lahore)

Client Reference: APL/Engg/UETLab/10//13/01 **SOM Lab Ref:** 1928 (Page-1/1)

Dated: 13-10-2025 **Dated:** 13-10-2025

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^2	in^2	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.657	4	0.496	0.20	0.193	6.95	8.89	76660	79450	98020	101580	1.20	8.0	15.0	
2	0.673	4	0.502	0.20	0.198	7.08	9.02	78130	78920	99480	100490	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 4	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

Ghulam Abbas, XEN **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

GE(Army)-II LRC.(Const Of 8xE Type Flats,Block No.2 at PMAD Colony Lahore)

Client Reference: 6003/89/E6 **SOM Lab Ref:** 1934 (Page-1/1)

Dated: 13-10-2025 **Dated:** 13-10-2025

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^2	in^2	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.482	6	0.745	0.44	0.436	14.37	17.81	72050	72710	89260	90080	1.20	8.0	15.0	
2	1.473	6	0.743	0.44	0.433	15.19	18.55	76130	77360	92990	94500	1.30	8.0	16.3	
3	0.641	4	0.489	0.20	0.188	6.63	8.46	73070	77730	93300	99260	1.20	8.0	15.0	
4	0.638	4	0.488	0.20	0.187	6.85	8.63	75540	80790	95210	101830	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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