

Engr. Zaheer Ud Din Babar

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

Dy. General Manager (Works).HRL Engineering (Pvt.) Ltd.(Const Of sky Gardens Tower,Lahore)

1675 (Page-1/1)

Client Reference: HRLE/SKG/2023/119/054

SOM Lab Ref:

Dated: 31-01-2023

Dated:

31-01-2023

Test: Tension Test

Test Specification:

ASTM-A-615

20

MS Deformed Bar (Afco

Guage Length: 0 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	m	%	
1	1.580	16	16.00	201	201	113.70	134.50	566	566	669	670	27.5	200	13.8	H # 180
2	1.630	16	16.26	201	208	115.00	138.20	572	554	688	666	25.0	200	12.5	H #187
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

16mm	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

Engineer Muhammad Irfan
Asst Dir Infra. DHA Gujranwala.(Sector G)

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

Client Reference: 111/15/AD/RS/Pkg-2B/1213

SOM Lab

Ref: 1673 (Page-1/1)

Dated: 28-01-2023

Dated: 31-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Batala 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	0.665	4	0.498	0.20	0.195	6.22	8.92	68570	70330	98360	100880	1.00	8.00	12.5	
2	0.673	4	0.502	0.20	0.198	6.32	8.87	69700	70400	97800	98780	1.10	8.00	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Capital Contractor

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

Site In-Charge Capital Contractor Isb.(Fast "NU"Plot # 852-B,Block -B Faisal Town Lahore)

Client Reference: Nil

SOM Lab

Ref: 1674 (Page-1/1)

Dated: 31-01-2023

Dated: 31-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Ittehad 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	1.516	6	0.754	0.44	0.446	15.67	19.29	78530	77480	96670	95370	1.20	8.0	15.0	
2	1.446	6	0.736	0.44	0.425	15.21	18.47	76240	78930	92590	95850	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

UMT
 Director PMO UMT Lahore.(Steel of 7th and 8th Floor Columns & Beams)

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

Client Reference: CB-2/33/22

SOM Lab

Dated: 31-01-2023

Ref: 1676 (Page-1/3)

Dated: 31-01-2023

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	2.663	8	0.998	0.79	0.783	25.89	33.84	72290	72930	94480	95330	1.30	8.0	16.3	
2	2.710	8	1.007	0.79	0.796	24.36	34.02	68020	67500	94970	94250	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

# 8	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

UMT
Director PMO UMT Lahore.(6th Floor Slab Beams and Columns)

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

Client Reference: CB-2/30/22

SOM Lab

Ref: 1676 (Page-2/3)

Dated: 31-01-2023

Dated: 31-01-2023

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	2.640	8	0.994	0.79	0.776	26.91	37.61	75130	76490	105010	106910	1.40	8.00	17.5	
2	2.637	8	0.993	0.79	0.775	27.01	32.98	75420	76880	92060	93840	1.30	8.00	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

# 8	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

UMT
 Director PMO UMT Lahore.(6th Floor Slab Beams and Columns Shear Walls)

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

Client Reference: CB-2/31/22

SOM Lab

Ref: 1676 (Page-3/3)

Dated: 31-01-2023

Dated: 31-01-2023

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	1.503	6	0.750	0.44	0.442	16.00	20.92	80220	79860	104850	104370	1.50	8.00	18.8	
2	1.491	6	0.747	0.44	0.438	15.62	19.54	78280	78640	97950	98400	1.50	8.00	18.8	
3	0.676	4	0.503	0.20	0.199	6.19	9.07	68230	68580	100050	100550	1.50	8.00	18.8	
4	0.671	4	0.501	0.20	0.197	6.12	8.97	67450	68470	98920	100430	1.30	8.00	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Amjad **Test Performed By:** Dr. /Engr. Asad Ali Gillani
 Quantity Surveyor M/S Linker.(Const Of Hassan & Huma Residence,DHA Phase VIII,Sector-A,Lahore)

Client Reference: Nil **SOM Lab**
Dated: 31-01-2023 **Ref:** 1679 (Page-1/1)
Test: Tension Test & Bend Test **Dated:** 31-01-2023
Gauge Length: 8 inch **Test Specification:** ASTM-A-615
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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.615	8	0.989	0.79	0.768	23.24	32.64	64890	66750	91120	93730	1.60	8.0	20.0	
2	1.475	6	0.743	0.44	0.433	12.84	18.27	64380	65420	91560	93040	1.50	8.0	18.8	
3	0.672	4	0.501	0.20	0.197	6.12	8.26	67450	68470	91050	92440	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- 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

Engr. Shoaib Iqbal

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

Asstt Engr. Civil, Uni Of Home Economics. (Const of Acadmic Block At Uni Of Home Economics Lahore)

Client Reference: UHE/EC/1073

SOM Lab

Ref: 1680 (Page-1/1)

Dated: 31-01-2023

Dated: 31-01-2023

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	2.568	8	0.980	0.79	0.755	24.59	32.44	68640	71820	90550	94750	1.50	8.0	18.8	
2	2.560	8	0.979	0.79	0.752	24.46	32.42	68300	71750	90500	95070	1.60	8.0	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

# 8	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

Muhammad Hammad

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

Assistant Project Dir, PMU-SBP NHS Lhr. (Estb Of Multipurpose Grond at Malikpur Distt Faisabad)

Client Reference: ADP/PMU/SBP/LHR/23/

SOM Lab

Ref: 1681 (Page-1/1)

Dated: 29-01-2023

Dated: 31-01-2023

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	2.563	8	0.979	0.79	0.753	24.43	32.41	68220	71570	90470	94910	1.60	8.0	20.0	
2	0.666	4	0.500	0.20	0.196	6.54	8.46	72170	73640	93300	95200	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four 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

Sub Divisional officer,
 BSD Chistian.(Const Of Police Station City B Divsio at Chistian Bahawalnagar)

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

Client Reference: 419/CTN

SOM Lab

Ref: 1682 (Page-1/1)

Dated: 01-10-2022

Dated: 31-01-2023

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	1.532	6	0.757	0.44	0.450	15.09	19.62	75620	73940	98360	96170	1.20	8.0	15.0	
2	0.667	4	0.500	0.20	0.196	6.63	8.00	73070	74560	88240	90040	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Sub Divisional officer,

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

BSD Minchinabad.(Up-Gradation Of the Hospital Minchinabad Distt Bahawalnagar)

Client Reference: 578/MBD

Dated: 02-01-2023

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 1683 (Page-1/1)

Dated: 31-01-2023

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	1.504	6	0.750	0.44	0.442	13.68	19.27	68570	68260	96570	96130	1.00	8.0	12.5	
2	0.679	4	0.505	0.20	0.200	6.19	8.05	68230	68230	88800	88800	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Test Performed by: .S. Asad Ali Gillani

Abdul Azeem
General Manager, Polymer Tek,
45-A, S.I.E. #2, Gujranwala-Pakistan.

Client Reference No.: Nil

Dated: 31-01-2023

SOM Lab Ref: CED/SOM/1678 (Page 1/6)

Dated: 31-01-2023

Test Type: Load Test

Sample Type: Polydoors FRP Manhole Cover (15" x 15")

Load Test Results

Sr No.	Sample Type	Ultimate Load (kN)
1	Polydoors FRP Manhole Cover	9.7

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

Abdul Azeem
General Manager, Polymer Tek,
45-A, S.I.E. #2, Gujranwala-Pakistan.

Test Performed by: .S. Asad Ali Gillani

Client Reference No.: Nil

Dated: 31-01-2023

SOM Lab Ref: CED/SOM/1678 (Page 2/6)

Dated: 31-01-2023

Test Type: Load Test

Sample Type: Polydoors FRP Manhole Cover (15" x 15")

Load Test Results

Sr No.	Sample Type	Ultimate Load (kN)
2	Polydoors FRP Manhole Cover	9.7

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

Abdul Azeem
General Manager, Polymer Tek,
45-A, S.I.E. #2, Gujranwala-Pakistan.

Test Performed by: .S. Asad Ali Gillani

Client Reference No.: Nil
SOM Lab Ref: CED/SOM/1678 (Page 3/6)
Test Type: Load Test

Dated: 31-01-2023
Dated: 31-01-2023

Sample Type: Polydoors FRP Manhole Cover (15" x 15")

Load Test Results

Sr No.	Sample Type	Ultimate Load (kN)
3	Polydoors FRP Manhole Cover	10.0

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

Abdul Azeem
General Manager, Polymer Tek,
45-A, S.I.E. #2, Gujranwala-Pakistan.

Test Performed by: .S. Asad Ali Gillani

Client Reference No.: Nil

Dated: 31-01-2023

SOM Lab Ref: CED/SOM/1678 (Page 4/6)

Dated: 31-01-2023

Test Type: Load Test

Sample Type: Polydoors FRP Manhole Cover (18" Dia)

Load Test Results

Sr No.	Sample Type	Ultimate Load (kN)
1	Polydoors FRP Manhole Cover	14.7

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

Test Performed by: .S. Asad Ali Gillani

Abdul Azeem
General Manager, Polymer Tek,
45-A, S.I.E. #2, Gujranwala-Pakistan.

Client Reference No.: Nil

Dated: 31-01-2023

SOM Lab Ref: CED/SOM/1678 (Page 5/6)

Dated: 31-01-2023

Test Type: Load Test

Sample Type: Polydoors FRP Manhole Cover (18" Dia)

Load Test Results

Sr No.	Sample Type	Ultimate Load (kN)
1	Polydoors FRP Manhole Cover	16.7

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

Abdul Azeem
General Manager, Polymer Tek,
45-A, S.I.E. #2, Gujranwala-Pakistan.

Test Performed by: .S. Asad Ali Gillani

Client Reference No.: Nil

Dated: 31-01-2023

SOM Lab Ref: CED/SOM/1678 (Page 6/6)

Dated: 31-01-2023

Test Type: Load Test

Sample Type: Polydoors FRP Manhole Cover (18" Dia)

Load Test Results

Sr No.	Sample Type	Ultimate Load (kN)
1	Polydoors FRP Manhole Cover	18.0

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

Test Performed by: Engr.Rehan Ashraf

Ar Ali
Asst. Manager
Warrantee Engineers (Pvt) Ltd. Lahore.
(For The New School TNS-2.0 Project at Gulberg III Lahore)

Test Reference No.: TNS/GE/001

Dated: 30-01-2023

Material Lab Ref: CED/SOM/1677

Dated: 31-01-2023

Test: Tensile Test

Sample Type: Anchor Bolt- M16 (Threaded Rod)

Test Specification: ASTM-F-1554

Gauge Length: 200 mm

Dia.		Area	Yield Load	Ultimate Load	Yield Stress	Ultimate Stress	Elongation	Gauge Length	%age Elongation	Remarks
Original Diameter	Calculated Diameter									
mm	mm	mm ²	kN	kN	MPa	MPa	mm	mm	%	
16	15.96	200	128.50	164.50	639	643	818	823	7.5	
16	16.00	201	127.00	162.50	632	632	808	808	10.0	
-	-	-	-	-	-	-	-	-	-	-

Note:-

Only Two Samples
Received and Tested

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

