

Test Performed by: Dr. S. Asad Ali Gillani

Zia-Ur-Rauf
RE New Vision Engineering Consultants.
Lahore.
(Modernization & Upgradation of Pakistan Mint Phase II-A)

Client Reference No.: NVEC/RE/PAK MINT/2025/10
SOM Lab Ref: CED/SOM/1182(Page-2/2)
Test Type: Hardness Test
Sample Type: J-Bolt

Dated: 05-05-2025
Dated: 12-05-2025

Hardness Test Details:
Machine used: Avery Rockwell Hardness Testing Machines
(Minor Load: 10 KgfMajor Load: 90.0 kgf Scale: B)

Hardness Test Results

Sample No.	Sample Type	Hardness avg
1	J-Bolt	HR – 80.66- B

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

Test Performed by: Dr.S. Asad Ali Gillani

Fazeel Mehmood
Resident Engineer
NESPAK Rawalpindi. (Development of DHA-AWT Land Adyala)
Client Reference No.:4592/103/ DHA-AWT/FM/102/93 Dated: 08-05-2025
SOM Lab Ref: CED/SOM/1183 (P-1/1) Dated: 12-05-2024
Test Type: Flexural Strength & Crushing Strength Test **Standard: ASTM-C-875 - 98**
Sample Type: Asbestos Pipes (6 Inches) Brand: WE-INFRATECH

Flexural Load Results

Sample No.	Diameter (mm)		Thickness (mm)	Length of the Tested Sample (unsupported span) (mm)	Flexural Load (kN)
	Outer	Inner			
1	170.0	150.8	9.6	1372	5.45

Crushing Load Results

Sample No.	Diameter (mm)		Thickness (mm)	Length of the Tested Sample (cm)	Crushing Load (kN)
	Outer	Inner			
1	170.0	151.0	8.9	30.0	3.42

Engineer Muhammad Irfan
Dy Dir Infra
DHA Gujranwala.
(Swapping Over of MDF Land with DHA Gwa)(Shifting Of Infrastructure)

Client Reference No.: 111/DD/Infra/Lab/MDF/11

SOM Lab Ref: CED/SOM/1193 (Page 1/1)

Test Type: Tensile Test

Sample Type: MS Pipe Strip

Test Performed by: S. Asad Ali Gillani

Dated: 12-05-2025

Dated: 12-05-2025

Gauge Length: 2 inches

Tensile Test Results

Sr. No.	Size of strip (mm)	X Section Area (mm²)	Yield Load (kN)	Ultimate Load (kN)	Yield Stress (MPa)	Ultimate Tensile Stress (MPa)	Elongation (inch)	% Elongation
1	17.5 x 5.1	89.25	31.50	44.0	352.94	493.0	0.70	35.00

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

Client Reference No.: NESPAK/PRSWSSP/TAUNSA/RE/667
2025

Dated: 09-05-

SOM Lab Ref: CED/SOM/1196
12-05-2025

Dated:

Test Type: Load Test of RPC Manhole Cover (Manufacturer JMW)

Test Standard: Non-standard test was performed as per requirement of the client [Application of load at the center of the Manhole Cover through circular thick steel plate of 15 Inches diameter]

Test Performed by: Dr. Asad Ali Gillani

Shabeer Ahmed

Resident Engineer

NESPAK (Pvt.) Ltd PRSWSSP, Taunsa.

(PRMSC, PRSWSSP Tehsil Taunsa) (Package-I)

This is with reference to your above-mentioned letter and SOM receipt No. 1196 dated: 12-05-2025. The sample of RPC Manhole Cover submitted in the Laboratory has been tested and the result is provided below.

Load Test Result

Weight of Manhole Cover With Ring	Diameter of Manhole Cover	Average Thickness of Manhole Cover	Internal Diameter of Ring	Maximum Load	Observations/Remarks
50.45 Kg	640 mm	70.2 mm	645 mm	12600 kg	The sample was cracked at this load

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

Dated: 20-04-2025
Dated: 12-05-2025

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	1.407	16	15.10	201	179	111.00	141.00	552	621	701	788	22.5	200	11.3	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Ashar Mirza **Test Performed By:** Dr. /Engr. Bilal Khokhar
Ashar Hardware And Mills Store Lahore.(M/S Chinoy Engg & Construction Pvt Ltd Gulberg III Lhr)

Ashar Mirza **Test Performed By:** Dr. /Engr. Bilal Khokhar
Ashar Hardware And Mills Store Lahore.(M/S Chinoy Engg & Construction Pvt Ltd Gulberg III Lhr)

Ashar Mirza **Test Performed By:** Dr. /Engr. Bilal Khokhar
Ashar Hardware And Mills Store Lahore.(M/S Chinoy Engg & Construction Pvt Ltd Gulberg III Lhr)

Dated: 08-05-2025

Dated: 12-05-2025

Test Specification: ASTM-F 1554

Gauge Length: 200 mm

[illegible][illegible]

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

Zia-Ur-Rauf **Test Performed By:** Dr. /Engr. Wasim Abbas
RE New Vision Engineering Consultants.(Modernization & Upgradation of Pakistan Mint Phase II-A)

Zia-Ur-Rauf **Test Performed By:** Dr. /Engr. Wasim Abbas
RE New Vision Engineering Consultants.(Modernization & Upgradation of Pakistan Mint Phase II-A)

Zia-Ur-Rauf **Test Performed By:** Dr. /Engr. Wasim Abbas
RE New Vision Engineering Consultants.(Modernization & Upgradation of Pakistan Mint Phase II-A)

Dated: 05-05-2025

Dated: 12-05-2025

Test Specification: ASTM-F 1554

Gauge Length: 200 mm

[illegible]

BEND TEST:

20mm	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

Zameen Development.(Const. Of DTR Project by Zameen Development Lahore)

Dr. /Engr. Asad Ali Gillani

SOM Lab

Ref: 1177 (Page-1/1)

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Def. Bar (Heat # H-116)

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	0.661	4	0.497	0.20	0.194	5.58	8.87	61490	63390	97800	100820	1.30	8.0	16.3	
2	0.652	4	0.494	0.20	0.192	5.91	9.02	65200	67920	99480	103630	1.30	8.0	16.3	
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<u>BEND TEST:</u>															
# 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															

RE NESPAK RRP Narowal.(Rehb/Re-Const Of Road From Narowal To Muridke)

Dr. /Engr. Asad Ali Gillani

SOM Lab
Ref: 1179 (Page-1/1)

Dated: 25-04-2025

Test Specification: ASTM-A-615

Sample Type: Deformed Bar

[illegible]

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

Wasif Manzoor
Salman Developers Lahore.(Mian Numan Sb Villa)

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

Client Reference: Nil

Dated: 12-05-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 1181 (Page-1/1)

Dated: 12-05-2025

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.683	8	1.002	0.79	0.788	26.15	37.23	73000	73180	103930	104190	1.20	8.0	15.0	
2	2.667	8	0.999	0.79	0.784	25.84	36.97	72140	72700	103220	104010	1.20	8.0	15.0	
3	1.476	6	0.743	0.44	0.434	15.55	20.15	77920	79000	101020	102410	1.30	8.0	16.3	
4	1.602	6	0.774	0.44	0.471	15.01	19.85	75210	70260	99480	92940	1.00	8.0	12.5	
5	0.664	4	0.498	0.20	0.195	7.49	9.38	82620	84740	103420	106070	1.10	8.0	13.8	
6	0.665	4	0.498	0.20	0.195	7.16	9.14	78910	80940	100830	103420	0.90	8.0	11.3	
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<u>BEND TEST:</u>															
# 8	Sample bend through 180 degrees Satisfactorily without any crack										Note:- 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															

GE (Army)-1 Sialkot.(Const Of 1 x Med Store at CMH Slk)

Dr. /Engr. Asad Ali Gillani

Dated: 08-04-2025

Ref: 1185 (Page-1/1)

Dated: 12-05-2025

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	0.661	4	0.497	0.20	0.194	6.68	8.63	73630	75910	95210	98160	1.20	8.0	15.0	
2	0.657	4	0.496	0.20	0.193	6.68	8.63	73630	76300	95210	98660	1.10	8.0	13.8	
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<u>BEND TEST:</u>															
# 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															

Dr. /Engr. Asad Ali Gillani

SOM Lab

Ref: 1186 (Page-1/1)

Test Specification:

Sample Type: Deformed Bar (Hunza 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	2.639	8	0.994	0.79	0.776	25.33	32.87	70720	72000	91780	93430	1.20	8.0	15.0	
2	2.659	8	0.997	0.79	0.781	25.03	32.93	69870	70670	91920	92980	1.10	8.0	13.8	
3	1.492	6	0.747	0.44	0.438	13.97	18.32	70000	70320	91820	92240	1.60	8.0	20.0	
4	1.475	6	0.743	0.44	0.433	13.78	18.47	69080	70200	92590	94080	1.50	8.0	18.8	
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<u>BEND TEST:</u>															
# 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														
Note: Please always confirm the results of above report on web www.uet-civil.edu.pk															

A.H Construction
Lahore.(District Jail Gujrat)

Test Performed By: Dr. /Engr. Bilal Khokhar

Client Reference: AHC/348/29/15

Dated: 12-05-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 1187 (Page-1/1)

Dated: 12-05-2025

Test Specification: ASTM-A-615

Sample Type: Def. 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	1.427	6	0.730	0.44	0.419	10.45	16.16	52380	55000	80990	85050	1.30	8.0	16.3	
2	0.655	4	0.494	0.20	0.192	4.91	7.39	54180	56440	81500	84890	1.00	8.0	12.5	
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<u>BEND TEST:</u>															
# 6	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															

Dr. /Engr. Asad Ali Gillani

SOM Lab

1189 (Page-1/1)

Dated: 12-05-2025

Test Specification: ASTM-A-615

Sample Type: Deformed Bar

[illegible]

BEND TEST:

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

Engr Tanveer Afzal
GM Blue Bricks. (Blue World Shenzhen City)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: BTS/Lab/001127

Dated: 12-05-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 1190 (Page-1/1)

Dated: 12-05-2025

Test Specification:

ASTM-A-615

Sample Type:

Deformed Bar (Aziz 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	1.011	5	0.615	0.31	0.297	9.07	13.93	64550	67370	99140	103480	1.10	8.0	13.8	
2	0.673	4	0.502	0.20	0.198	5.81	8.69	64080	64720	95770	96740	1.20	8.0	15.0	
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<u>BEND TEST:</u>															
# 5	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															

Engr. Hassan Mehmood

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

RE G3 Engg Consult.(Const.of DHA Newlife Residency Appartments at 273/1Q Block Ph-II DHA.Lhr)

Client Reference: G3/DHA-NLD/Prof/RE/036

Dated: 08-05-2025

SOM Lab

Ref: 1191 (Page-1/1)

Dated: 12-05-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Hunza Steel)

[illegible][illegible]

BEND TEST:

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

Minhas Construction
Contractor Real Estate & Builders Texila.

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

Client Reference: MCC/CFL/UET/025

Dated: 12-05-2025

SOM Lab

Ref: 1192 (Page-1/1)

Dated: 12-05-2025

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	1.475	6	0.743	0.44	0.433	14.04	19.26	70360	71500	96520	98080	1.10	8.0	13.8	
2	1.478	6	0.743	0.44	0.434	14.14	19.44	70870	71850	97440	98790	1.30	8.0	16.3	
3	0.665	4	0.498	0.20	0.195	5.78	8.12	63740	65370	89590	91890	1.60	8.0	20.0	
4	0.654	4	0.494	0.20	0.192	5.81	8.21	64080	66750	90490	94260	1.60	8.0	20.0	
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<u>BEND TEST:</u>															
# 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

Client Reference: NESPAK/GTR-W/MNA/25 **SOM Lab**
Dated: 21-04-2025 **Ref:** 1194 (Page-1/1)
Dated: 12-05-2025

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	0.669	4	0.501	0.20	0.197	5.93	8.92	65420	66420	98360	99860	1.40	8.0	17.5	
2	0.667	4	0.500	0.20	0.196	5.83	8.77	64300	65610	96670	98650	1.20	8.0	15.0	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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<u>BEND TEST:</u>															
# 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															

BSD No.2 Faisalabad.(Program For Revamping of BHUS of North and Central Punjab)

Asad Ali Gillani

SOM Lab

Ref: 1195 (Page-1/1)

Test: Tension Test & Bend Test

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	1.509	6	0.751	0.44	0.443	14.32	19.03	71790	71300	95400	94750	1.30	8.0	16.3	
2	0.670	4	0.501	0.20	0.197	6.60	8.82	72730	73840	97230	98720	1.20	8.0	15.0	
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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															

RE NESPAK Lahore.(Restoration/Improvement Of Road From Pattoki To Mega Via Hanjra Kalan)

Dr. /Engr. Asad Ali Gillani

Dated: 05-05-2025

Dated: 12-05-2025

Test Specification: ASTM-A-615

Sample Type: Pain Bar (Dowel Bars)

[illegible]

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

RE NESPAK Lahore.(Restoration/Improvement Of Road From Pattoki To Mega Via Hanjrai Kalan)

Dr. /Engr. Asad Ali Gillani

SOM Lab
Ref: 1198 (Page-2/2)

Dated: 12-05-2025

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	0.674	4	0.502	0.20	0.198	7.19	8.74	79250	80050	96340	97310	1.20	8.0	15.0	
2	0.671	4	0.501	0.20	0.197	6.65	8.43	73290	74410	92960	94380	1.30	8.0	16.3	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>BEND TEST:</u>															
# 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															