Arfan Nazir, Manager Civil **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Nishat Linen (Pvt) Ltd.(Const Of Corduroy Building & ETP Modification)

Client Reference: NDF/ST/001 **SOM Lab Ref:** 370(Page-1/1)

Dated: 13-12-2024 **Dated:** 13-12-2024

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

Guage Length: 200 mm **Sample Type:** MS Def Bar (Markhor 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	mm	%	
1	3.907	25	25.18	491	498	251.20	339.20	512	505	691	682	32.5	200	16.3	
2	3.853	25	25.00	491	491	242.20	347.00	493	494	707	707	30.0	200	15.0	
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BEND TEST:

25mm	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

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

WRDSP Consultants.Zhob(Balochistan Water Resources Development Sector Project)(ICB-01)

Client Reference: 4078/061/HAB/01/CB-01/2237 **Dated:** 12-12-2024

SOM Lab Ref: CED/SOM/378(Page-1/1) **Dated:** 13-12-2024

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

Sample Type: M S 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	3.916	25	25.21	491	499	257.50	356.50	525	517	726	715	30.0	200	15.0	FF
2	3.963	25	25.35	491	505	255.20	352.00	520	506	717	698	35.0	200	17.5	FF
3	3.955	25	25.33	491	504	253.50	352.00	516	504	717	699	35.0	200	17.5	Al-Moiz
4	3.964	25	25.36	491	505	251.70	349.00	513	499	711	692	32.5	200	16.3	Al-Moiz
5	2.175	19	18.78	284	277	141.00	185.50	497	509	654	670	37.5	200	18.8	FF
6	2.181	19	18.81	284	278	140.00	184.20	494	504	650	664	35.0	200	17.5	FF
7	2.195	19	18.87	284	280	137.70	185.00	486	493	652	662	37.5	200	18.8	Al-Moiz
8	2.194	19	18.86	284	279	137.20	185.20	484	491	653	663	35.0	200	17.5	Al-Moiz
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack
25mm	Sample bend through 180 degrees Satisfactorily without any crack
19mm	Sample bend through 180 degrees Satisfactorily without any crack
19mm	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

Metroplan-Asian JV **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Site Office JIC-JHL,Lahore.(Estb Of Jinnah Institute of Cardiology at Jinnah Hospital Lahore)

Client Reference: Metroplan-Asian JV ET-JHL-RE-314-2024 **SOM Lab Ref:** 366 (Page-1/1)

Dated: 12-12-2024 **Dated:** 13-12-2024

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	0.666	4	0.500	0.20	0.196	6.98	9.50	77000	78570	104770	106900	1.10	8.0	13.8	
2	0.668	4	0.500	0.20	0.196	6.60	9.19	72730	74210	101390	103460	1.00	8.0	12.5	
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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

Sub Divisional officer, **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
BSD No.16 Lahore.(Const Of Smart Police Station Shadman Lahore)

Client Reference: 49/6th **SOM Lab Ref:** 367 (Page-1/1)
Dated: 12-12-2024 **Dated:** 13-12-2024
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	1.580	6	0.769	0.44	0.464	17.91	21.15	89780	85130	106020	100540	1.20	8.0	15.0	
2	1.581	6	0.769	0.44	0.465	17.25	20.56	86450	81810	103060	97520	1.10	8.0	13.8	
3	0.666	4	0.500	0.20	0.196	6.95	8.53	76660	78230	94090	96010	1.00	8.0	12.5	
4	0.666	4	0.500	0.20	0.196	6.78	8.41	74750	76280	92740	94630	1.20	8.0	15.0	
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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

Dr.Hafiz Mukhtar Ahmad **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
Medical Superintendent Hilal-e-Ahmar Hospital Fsd.(Nephrology Deptt of Hilal-e-Ahmar Hospital)

Client Reference: Admin/1114/HAHF **SOM Lab Ref:** 369 (Page-1/1)
Dated: 12-12-2024 **Dated:** 13-12-2024

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	1.507	6	0.751	0.44	0.443	10.60	15.75	53140	52780	78940	78410	1.50	8.0	18.8	
2	1.500	6	0.749	0.44	0.441	10.65	15.62	53400	53280	78280	78100	1.30	8.0	16.3	
3	0.667	4	0.500	0.20	0.196	4.64	6.88	51150	52190	75880	77430	1.20	8.0	15.0	
4	0.667	4	0.500	0.20	0.196	4.69	6.88	51710	52770	75880	77430	1.10	8.0	13.8	
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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

Sub Divisional officer, **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
BSD Khushab.(Program for Revamping of 552 BHU`s of Distt Khushab Phase-I)

Client Reference: 588/K
Dated: 07/11/2024

SOM Lab Ref: 371 (Page-2/2)
Dated: 13-12-2024

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	1.486	6	0.746	0.44	0.437	14.27	19.67	71540	72030	98610	99290	1.50	8.0	18.8	
2	0.661	4	0.497	0.20	0.194	5.42	7.05	59800	61650	77790	80190	1.30	8.0	16.3	
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BEND TEST:

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

Note:-

Only Four 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 Khushab.(Program for Revamping of RHCs RHC of Distt Khushab Phase-I)

Client Reference: 5971/K
Dated: 15/11/2024

SOM Lab Ref: 371 (Page-1/2)
Dated: 13-12-2024

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	1.487	6	0.746	0.44	0.437	14.34	19.67	71890	72390	98610	99290	1.40	8.0	17.5	
2	0.666	4	0.500	0.20	0.196	5.42	7.08	59800	61020	78130	79720	1.30	8.0	16.3	
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BEND TEST:

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

Note:-

Only Four Samples Received and Tested

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

Baber Baig, RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

QA/QC Deptt.Bahria Town Lhr.(Johar Block Masjid Multan Road Site Bahria Town Lahore)

Client Reference: QA/QC/Steel-3860 **SOM Lab Ref:** 372 (Page-1/1)

Dated: 11-12-2024 **Dated:** 13-12-2024

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	2.797	8	1.023	0.79	0.822	26.42	35.65	73770	70890	99520	95640	1.20	8.0	15.0	
2	2.796	8	1.023	0.79	0.822	26.01	35.58	72630	69800	99320	95450	1.40	8.0	17.5	
3	1.516	6	0.754	0.44	0.446	13.88	18.67	69590	68660	93610	92350	1.20	8.0	15.0	
4	1.500	6	0.749	0.44	0.441	14.09	18.78	70620	70460	94120	93900	1.40	8.0	17.5	
5	0.662	4	0.498	0.20	0.195	6.80	8.56	74980	76900	94420	96850	1.40	8.0	17.5	
6	0.668	4	0.500	0.20	0.196	7.00	8.84	77230	78800	97460	99450	1.40	8.0	17.5	
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BEND TEST:

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

Note:-

Only Nine Samples Received and Tested

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

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

Proj Control Sub Head Haier.(Cooling Tube Factory at Haier,Raiwind Road Lahore)

Client Reference: HNR/CTF/01 **SOM Lab Ref:** 373 (Page-1/1)

Dated: 12-12-2024 **Dated:** 13-12-2024

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	1.494	6	0.748	0.44	0.439	14.80	19.52	74190	74360	97850	98070	1.40	8.0	17.5	
2	0.797	4	0.546	0.20	0.234	6.73	8.79	74190	63410	96900	82820	1.20	8.0	15.0	
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BEND TEST:

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

Note:-

Only Four Samples Received and Tested

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

Muhammad Jamil Alam
Manager Quality Assurance FF Steel Limited Lahore.

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

Client Reference: Nil
Dated: 02-12-2024

SOM Lab Ref: 374 (Page-1/1)
Dated: 13-12-2024

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

Test Specification: ASTM-A-706
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^2	in^2	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.618	8	0.990	0.79	0.769	25.89	34.96	72290	74260	97610	100280	1.20	8.0	15.0	
2	2.617	8	0.990	0.79	0.769	25.66	34.58	71630	73590	96530	99170	1.50	8.0	18.8	
3	1.475	6	0.743	0.44	0.433	14.24	19.59	71380	72540	98210	99790	1.20	8.0	15.0	
4	1.471	6	0.742	0.44	0.432	14.39	19.72	72150	73480	98870	100700	1.40	8.0	17.5	
5	1.046	5	0.625	0.31	0.307	9.38	13.61	66720	67370	96820	97760	1.40	8.0	17.5	
6	1.050	5	0.627	0.31	0.309	9.45	13.61	67230	67450	96820	97130	1.50	8.0	18.8	
7	0.665	4	0.498	0.20	0.195	6.63	8.66	73070	74940	95550	98000	1.40	8.0	17.5	
8	0.666	4	0.500	0.20	0.196	6.03	8.53	66550	67910	94090	96010	1.30	8.0	16.3	
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BEND TEST:

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

Sub Divisional officer,
BSD Haronabad.(Revamping of 581 BHUs South Punjab Phase-I)

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

Client Reference: 587/HND
Dated: 30-09-2024

SOM Lab Ref: 375 (Page-1/1)
Dated: 13-12-2024

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	1.410	6	0.726	0.44	0.414	11.88	17.96	59530	63270	90030	95680	1.50	8.0	18.8	
2	1.412	6	0.727	0.44	0.415	11.90	17.99	59630	63220	90180	95620	1.50	8.0	18.8	
3	0.666	4	0.500	0.20	0.196	4.54	6.57	50030	51050	72510	73990	1.40	8.0	17.5	
4	0.663	4	0.498	0.20	0.195	4.43	6.49	48900	50150	71610	73440	1.20	8.0	15.0	
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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

Asim Mushtaq **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
GM Factory PROCON Engineering (Pvt) Ltd.(Master)

Client Reference: PEMH05-006 **SOM Lab Ref:** 376-424 (Page-1/1)
Dated: 13-12-2024 **Dated:** 13-12-2024

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	2.750	8	1.014	0.79	0.808	27.83	34.73	77690	75960	96960	94800	1.50	8.0	18.8	
2	2.736	8	1.012	0.79	0.804	28.39	34.81	79260	77880	97190	95490	1.50	8.0	18.8	
3	1.489	6	0.747	0.44	0.438	15.97	19.80	80070	80430	99230	99680	1.10	8.0	13.8	
4	1.493	6	0.748	0.44	0.439	15.90	19.69	79710	79890	98720	98940	1.10	8.0	13.8	
5	0.653	4	0.494	0.20	0.192	6.98	8.02	77000	80210	88470	92150	1.00	8.0	12.5	
6	0.652	4	0.494	0.20	0.192	7.03	8.10	77560	80800	89370	93090	1.10	8.0	13.8	
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BEND TEST:

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

Note:-

Only Nine Samples Received and Tested

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

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

PE Maxcon Engineers Lahore.(Office Building 07-Aurangzeb Blocl,New Garden Town,Lahore)

Client Reference: Nil **SOM Lab Ref:** 377 (Page-1/1)

Dated: 13-12-2024 **Dated:** 13-12-2024

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	2.687	8	1.003	0.79	0.790	26.55	35.88	74140	74140	100170	100170	1.50	8.0	18.8	
2	2.681	8	1.002	0.79	0.788	26.63	35.80	74330	74520	99950	100200	1.30	8.0	16.3	
3	1.449	6	0.736	0.44	0.426	15.19	18.76	76130	78640	94020	97110	1.10	8.0	13.8	
4	1.461	6	0.739	0.44	0.429	15.14	18.67	75880	77820	93610	96010	1.40	8.0	17.5	
5	0.671	4	0.501	0.20	0.197	7.31	8.76	80600	81830	96560	98030	1.20	8.0	15.0	
6	0.673	4	0.502	0.20	0.198	7.16	8.69	78910	79710	95770	96740	1.10	8.0	13.8	
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BEND TEST:

--	No Bend test performed

Note:-

Only Six Samples Received and Tested

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

Fraz Khalid Syed **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
Asstt Director-II (QCD) WASA,LDA,Lhr.(Eagle Pipe Industry)

Client Reference: QCD/2455 **SOM Lab Ref:** 379 (Page-1/1)
Dated: 23-11-2024 **Dated:** 13-12-2024
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	0.660	4	0.497	0.20	0.194	7.26	8.89	80040	82510	98020	101050	1.00	8.0	12.5	
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BEND TEST:

# 4	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