Arfan Nazir, Manager Civil **Test Performed By:** **Dr. /Engr.** Nauman Khurram
Nishat Linen (Pvt) Ltd.(Const Of Nishat Linen Godown Extension)

Client Reference: NL/ST/001 **SOM Lab Ref:** 4860(Page-1/1)
Dated: 24-09-2024 **Dated:** 25-09-2024

Test: Tension Test **Test Specification:** ASTM-A-615
Guage Length: 200 mm **Sample Type:** MS Def Bar (Premiere 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	2.467	20	20.00	314	314	151.50	202.20	482	483	644	644	37.5	200	18.8	
2	2.454	20	19.95	314	313	149.50	198.50	476	479	632	635	40.0	200	20.0	
3	1.610	16	16.16	201	205	99.00	137.00	493	483	682	669	30.0	200	15.0	
4	1.612	16	16.17	201	205	98.50	134.70	490	480	670	657	32.5	200	16.3	
5	0.893	12	12.04	113	114	55.00	71.70	487	484	635	631	27.5	200	13.8	
6	0.891	12	12.02	113	113	55.20	72.50	488	487	642	639	30.0	200	15.0	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack
16mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	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

Faisal Bilal
Lahore.

Test Performed By: **Dr. /Engr.** Nauman Khurram

Client Reference: Nil
Dated: 25-09-2024

SOM Lab Ref: 4857 (Page-1/1)
Dated: 25-09-2024

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	2.659	8	0.997	0.79	0.781	27.62	36.31	77120	78010	101370	102540	1.70	8.0	21.3	
2	2.638	8	0.993	0.79	0.775	25.66	34.66	71630	73020	96760	98630	1.50	8.0	18.8	
3	1.460	6	0.739	0.44	0.429	14.44	18.86	72400	74260	94530	96950	1.30	8.0	16.3	
4	1.469	6	0.742	0.44	0.432	14.60	19.01	73170	74530	95290	97060	1.20	8.0	15.0	
5	0.661	4	0.497	0.20	0.194	5.81	8.00	64080	66060	88240	90970	1.50	8.0	18.8	
6	0.664	4	0.498	0.20	0.195	5.86	8.07	64640	66290	89030	91310	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

Mohsin Baig
Manager Purchase Gharibwal Cement Ltd. Lahore.

Test Performed By: **Dr. /Engr.** Nauman Khurram

Client Reference: GCL/Purchase/UET/Test/002
Dated: 25-09-2024

SOM Lab Ref: 4858 (Page-1/1)
Dated: 25-09-2024

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	1.485	6	0.745	0.44	0.436	14.24	18.20	71380	72040	91210	92040	1.50	8.0	18.8	
2	1.493	6	0.748	0.44	0.439	14.32	18.40	71790	71950	92230	92440	1.50	8.0	18.8	
3	0.668	4	0.500	0.20	0.196	6.22	8.74	68570	69970	96340	98300	1.10	8.0	13.8	
4	0.672	4	0.501	0.20	0.197	6.29	8.82	69360	70410	97230	98720	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 Six Samples Received and Tested

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

Dr. Khalil Ahmad
PM PHCIP Lahore.(Burial PIT Construction)

Test Performed By: **Dr. /Engr.** Nauman Khurram

Client Reference: PIU-H/PHCIP/PM/733/2024
Dated: 25-09-2024

SOM Lab Ref: 4859 (Page-1/1)
Dated: 25-09-2024

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	0.667	4	0.500	0.20	0.196	6.47	8.51	71380	72840	93860	95780	1.10	8.0	13.8	
2	0.667	4	0.500	0.20	0.196	6.68	8.61	73630	75130	94990	96930	1.20	8.0	15.0	
3	0.669	4	0.501	0.20	0.197	6.75	8.63	74420	75550	95210	96660	1.30	8.0	16.3	
4	0.667	4	0.500	0.20	0.196	6.57	8.51	72510	73990	93860	95780	1.30	8.0	16.3	
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BEND TEST:

# 4	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

Muhammad Arfan Asif **Test Performed By:** **Dr. /Engr.** Yousaf
ER NESPAK Lhr.(Const Of Green Building for EMC,EPD and Allied` New Entities Estb Under PGDP)

Client Reference: 4731/MAA/03/99 **SOM Lab Ref:** 4861 (P-1/1)
Dated: 25-09-2024 **Dated:** 25-09-2024

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615
Gauge Length: 8 inch **Sample Type:** Deformed 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)				
	lb/ft	#	in	in^2	in^2	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.631	8	0.992	0.79	0.773	26.15	37.92	73000	74600	105860	108190	1.20	8.0	15.0	
2	2.620	8	0.990	0.79	0.770	25.76	37.72	71920	73780	105300	108030	1.10	8.0	13.8	
3	1.515	6	0.753	0.44	0.445	14.48	20.85	72560	71740	104490	103320	1.30	8.0	16.3	
4	1.499	6	0.749	0.44	0.441	13.86	19.98	69490	69330	100150	99920	1.20	8.0	15.0	
5	0.673	4	0.502	0.20	0.198	5.76	8.56	63510	64160	94420	95380	1.00	8.0	12.5	
6	0.668	4	0.500	0.20	0.196	6.01	8.66	66320	67680	95550	97500	1.20	8.0	15.0	
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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

Tariq Fateh **Test Performed By:** **Dr. /Engr.** Nauman Khurram

PM Jilani Poly Industries (Pvt) Ltd.(Const Of Jilani Poly-2 Trap Exetension Sheikhpura)

Client Reference: JP-2/UET/2023/S-005 **SOM Lab Ref:** 4862 (Page-2/2)

Dated: 24-09-2024 **Dated:** 25-09-2024

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (SJ 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	2.800	8	1.024	0.79	0.823	24.84	36.46	69350	66570	101800	97710	1.30	8.0	16.3	
2	2.646	8	0.995	0.79	0.778	24.82	36.19	69300	70370	101030	102580	1.30	8.0	16.3	
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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

Tariq Fateh **Test Performed By:** **Dr. /Engr.** Nauman Khurram

PM Jilani Poly Industries (Pvt) Ltd.(Const Of Jilani Poly-2 Trap Exetension Sheikhpura)

Client Reference: JP-2/UET/2023/S-001 **SOM Lab Ref:** 4862 (Page-1/2)

Dated: 25-09-2024 **Dated:** 25-09-2024

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (SJ 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	29.17	35.93	81450	83780	100320	103190	1.30	8.0	16.3	
2	2.631	8	0.992	0.79	0.773	29.41	36.16	82100	83910	100940	103160	1.20	8.0	15.0	
3	1.500	6	0.749	0.44	0.441	15.65	19.42	78430	78250	97340	97120	1.50	8.0	18.8	
4	1.442	6	0.735	0.44	0.424	15.57	19.32	78020	80970	96830	100480	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

Note:-

Only Six Samples Received and Tested

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

Eng Sammar, RE **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Allied Engg & Consultant.(Construction of The Diabetes Centre Sahiwal.)

Client Reference: ACE/TDC/SWL/25 **SOM Lab Ref:** 4863 (Page-1/1)

Dated: 25-09-2024 **Dated:** 25-09-2024

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Pak Iron)

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	2.611	8	0.988	0.79	0.767	24.92	34.96	69580	71670	97610	100540	1.00	8.0	12.5	
2	2.599	8	0.986	0.79	0.764	24.79	34.91	69210	71570	97470	100790	1.10	8.0	13.8	
3	1.531	6	0.757	0.44	0.450	13.68	20.31	68570	67050	101780	99520	1.30	8.0	16.3	
4	1.531	6	0.757	0.44	0.450	13.83	20.64	69340	67800	103470	101170	1.30	8.0	16.3	
5	0.658	4	0.496	0.20	0.193	7.14	9.99	78690	81540	110160	114160	1.00	8.0	12.5	
6	0.672	4	0.501	0.20	0.197	7.26	9.96	80040	81260	109820	111500	0.90	8.0	11.3	
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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
# 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