

**Test Performed By:** S. Asad Ali Gillani

Saeed Ullah Jaan  
RE NESPAK  
FWO Office, Thoha Khalsa  
Kalar Sayedan, Distt Rawalpindi  
(Const/Rehb of Tourism Highway From Lower Topa Murree To Chowk Pindori Via Kotly Satian Distt Rawalpindi)

**Client Reference:** Nespak/RE/07

Dated: 10-06-2024

**SOM Laboratory Reference:** CED/SOM/4303(Page-1/1)

Dated: 11-06-2024

**Test:** Compression Load Test

**Sample Type:** Cat Eye Yellow (E-Lite P1 Brand)

### Test Results

Sr. No.	Sample Type	Top Dimensions (mm)	Bottom Dimensions (mm)	Thickness (mm)	Inclination (Degree)	Compression Load (Kg)
1	Cat Eye (Yellow)	67.3 x 34.7	99.9 x 100.6	19.5	25.90°	21611

**Note:** Please always confirm the results of above report on web: [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Waqas Ahmed Ghumman,PM  
High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

**Test Performed By:** Dr. /Engr. Wasim Abbas

**Client Reference:** QC/HQ/CIVIL/215  
**SOM Lab Ref:** CED/SOM/4309 (Page-1/1)

**Dated:** 10-06-2024  
**Dated:** 11-06-2024

**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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.963	25	25.36	452	505	250.70	370.70	554	497	819	735	32.5	200	16.3	
2	3.928	25	25.24	452	500	251.20	375.70	555	503	830	751	27.5	200	13.8	
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**BEND TEST:**

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Muhammad Shahid  
UN Enterprises Lahore.

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab

Ref: 4304 (Page-1/1)

Dated: 11-06-2024

Dated: 11-06-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.734	8	1.011	0.79	0.803	28.56	37.92	79740	78450	105860	104150	1.00	8.0	12.5	
2	2.739	8	1.012	0.79	0.805	28.00	37.41	78180	76720	104440	102500	1.30	8.0	16.3	
3	1.558	6	0.764	0.44	0.458	14.70	19.62	73680	70790	98360	94490	1.20	8.0	15.0	
4	1.479	6	0.744	0.44	0.435	15.57	19.54	78020	78920	97950	99080	1.10	8.0	13.8	
5	0.657	4	0.496	0.20	0.193	6.88	8.69	75880	78630	95770	99250	1.10	8.0	13.8	
6	0.670	4	0.501	0.20	0.197	7.10	8.79	78350	79540	96900	98370	1.10	8.0	13.8	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Muhammad Saud Barakzai

Test Performed By:

Dr. /Engr. Wasim Abbas

NESPAK Lhr.(Expension of Terminal Building and Allied Facilities at Allama Iqbal Inter Airport Lahore)

SOM Lab

Client Reference: 3043/50Q/MSB/108/118

Ref:

4305 (Page-1/1)

Dated: 07-06-2024

Dated:

11-06-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.556	8	0.978	0.79	0.751	25.20	35.17	70350	74000	98180	103280	1.20	8.0	15.0	
2	2.556	8	0.978	0.79	0.751	25.03	35.24	69870	73490	98380	103490	1.30	8.0	16.3	
3	1.503	6	0.750	0.44	0.442	14.32	19.16	71790	71470	96060	95630	1.20	8.0	15.0	
4	1.467	6	0.741	0.44	0.431	14.70	19.88	73680	75220	99640	101720	1.20	8.0	15.0	
5	1.035	5	0.622	0.31	0.304	10.27	14.04	73030	74470	99860	101830	1.10	8.0	13.8	
6	1.037	5	0.623	0.31	0.305	10.55	14.14	75060	76290	100590	102240	1.00	8.0	12.5	
7	0.667	4	0.500	0.20	0.196	6.88	8.56	75880	77430	94420	96350	1.00	8.0	12.5	
8	0.662	4	0.498	0.20	0.195	6.34	8.97	69920	71710	98920	101460	1.10	8.0	13.8	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Twelve Samples Received and Tested
# 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: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Project Manager  
Project Sunshine Medical Tower Shahdra

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab

Ref: 4306 (Page-1/1)

Dated: 11-06-2024

Dated: 11-06-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.694	8	1.004	0.79	0.792	25.33	34.58	70720	70540	96530	96290	1.50	8.0	18.8	
2	2.614	8	0.989	0.79	0.768	28.05	37.26	78320	80560	104010	106990	1.30	8.0	16.3	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Engr. Muddasir Tahir

Test Performed By:

Dr. /Engr. Asad Ali Gillani

PM Halmore Properties Pvt Ltd.(Const Of Halmore Apartments at Plote No.11,Block B3,Gulberg-III Lhr)

Client Reference: HPPL/UET/24/06/020

SOM Lab

Ref: 4307 (Page-1/1)

Dated: 11-06-2024

Dated: 11-06-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.547	8	0.977	0.79	0.749	24.52	32.23	68440	72190	89990	94910	1.50	8.0	18.8	
2	2.546	8	0.976	0.79	0.748	25.66	33.40	71630	75650	93260	98490	1.20	8.0	15.0	
3	1.510	6	0.752	0.44	0.444	14.14	18.81	70870	70230	94270	93420	1.30	8.0	16.3	
4	1.468	6	0.741	0.44	0.431	14.91	19.22	74750	76310	96320	98330	1.30	8.0	16.3	
5	0.658	4	0.496	0.20	0.193	6.75	8.46	74420	77120	93300	96680	1.20	8.0	15.0	
6	0.678	4	0.503	0.20	0.199	7.16	9.09	78910	79310	100270	100770	1.30	8.0	16.3	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

ITTEFAQ

Test Performed By:

Dr. /Engr. Irfan UI Hassan

Building Solution Pvt Ltd.(Project: Learning Alliance School)

Client Reference: Nil

SOM Lab

Ref: 4308 (Page-1/1)

Dated: 10-06-2024

Dated: 11-06-2024

Test: Tension Test &amp; 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.610	8	0.988	0.79	0.767	24.36	36.03	68020	70060	100600	103620	1.20	8.0	15.0	
2	1.480	6	0.744	0.44	0.435	13.48	21.92	67550	68330	109850	111120	1.20	8.0	15.0	
3	0.640	4	0.489	0.20	0.188	5.37	8.38	59240	63020	92400	98300	1.30	8.0	16.3	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Sheikh Amin Akhtar  
Gulberg, Lahore

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

Client Reference: Nil

SOM Lab

Ref: 4310 (Page-1/1)

Dated: 28-03-2024

Dated: 11-06-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.635	8	0.993	0.79	0.774	25.59	35.49	71430	72910	99090	101140	1.20	8.0	15.0	
2	2.618	8	0.990	0.79	0.769	25.08	35.22	70010	71920	98320	101010	1.30	8.0	16.3	
3	1.468	6	0.741	0.44	0.431	14.73	19.93	73830	75380	99890	101980	1.20	8.0	15.0	
4	1.460	6	0.739	0.44	0.429	14.68	19.95	73580	75470	99990	102560	1.10	8.0	13.8	
5	0.660	4	0.497	0.20	0.194	5.98	8.38	65990	68030	92400	95260	1.10	8.0	13.8	
6	0.667	4	0.500	0.20	0.196	6.01	8.53	66320	67680	94090	96010	1.00	8.0	12.5	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)



Engineer Muhammad Irfan  
Dy Dir Infra. DHA Gujranwala.(Sec K)

Test Performed By: Dr. /Engr. Irfan UI Hassan

Client Reference: 111/15/DD/RS/Lab/K/709

SOM Lab

Ref: 4311 (Page-1/1)

Dated: 10-06-2024

Dated: 11-06-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Siraj 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.656	4	0.496	0.20	0.193	5.71	8.53	62950	65230	94090	97500	1.30	8.0	16.3	
2	0.652	4	0.494	0.20	0.192	5.52	8.28	60930	63470	91280	95080	1.40	8.0	17.5	
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**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Ali Zahid Latif, RE

Test Performed By:

Dr. /Engr. Wasim Abbas

Nespak-Turkpak JV Lhr.(Reconstruction of Old P&D Building,Lahore)

Client Reference: 4674/P&D/13/09/AZL/39

SOM Lab

Ref: 4312 (Page-1/1)

Dated: 06-06-2024

Dated: 11-06-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.447	6	0.736	0.44	0.425	15.21	18.35	76240	78930	91970	95220	1.00	8.0	12.5	
2	1.438	6	0.734	0.44	0.423	15.14	18.40	75880	78930	92230	95930	1.10	8.0	13.8	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Sub Divisional officer,  
BSD Chak Jhumra.(Const Of GOR-III Faisalabad)

**Test Performed By:** Dr. /Engr. Irfan UI Hassan

**Client Reference:** 75/CJ

**SOM Lab**

**Ref:** 4313(Page-1/1)

**Dated:** 02-05-2024

**Dated:** 11-06-2024

**Test:** Tension Test & Bend Test

**Test Specification:**

ASTM-A-615

Deformed Bar (Pak Steel)

**Gauge Length:** 8 inch

**Sample Type:**

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.521	6	0.754	0.44	0.447	13.76	22.38	68980	67900	112150	110400	1.00	8.0	12.5	
2	0.659	4	0.497	0.20	0.194	6.42	8.84	70820	73010	97460	100470	0.80	8.0	10.0	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Two Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

M.Waqas Anwar,RE

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

Nespak Lahore.(Dev Of a Controlled Access Corridor Facility From Niazi Interchange to Babu Sabu)

Client Reference: 3772/103/NBI(P-II)/MWA/04/316

SOM Lab

Ref: 4314 (Page-1/4)

Dated: 14-03-2024

Dated: 11-06-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.065	5	0.631	0.31	0.313	9.17	14.60	65270	64650	103850	102860	1.10	8.0	13.8	
2	1.062	5	0.630	0.31	0.312	9.06	14.48	64470	64060	102980	102320	1.30	8.0	16.3	
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**BEND TEST:**

# 5	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

M.Waqas Anwar,RE

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

NespaK Lahore.(Dev Of a Controlled Access Corridor Facility From Niazi Interchange to Babu Sabu)

Client Reference: 3772/103/NBI(P-II)/MWA/04/384

SOM Lab

Ref: 4314 (Page-2/4)

Dated: 27-05-2024

Dated: 11-06-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.712	4	0.516	0.20	0.209	7.03	9.48	77560	74220	104540	100040	1.20	8.0	15.0	
2	0.714	4	0.517	0.20	0.210	6.98	9.43	77000	73340	103980	99030	1.20	8.0	15.0	
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**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

M.Waqas Anwar,RE

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

NespaK Lahore.(Dev Of a Controlled Access Corridor Facility From Niazi Interchange to Babu Sabu)

Client Reference: 3772/103/NBI(P-II)/MWA/04/315

SOM Lab

Ref: 4314 (Page-3/4)

Dated: 14-03-2024

Dated: 11-06-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.667	4	0.500	0.20	0.196	5.91	8.94	65200	66530	98580	100600	1.10	8.0	13.8	
2	0.668	4	0.500	0.20	0.196	5.93	8.99	65420	66760	99150	101170	1.30	8.0	16.3	
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**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

M.Waqas Anwar,RE

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

Nespak Lahore.(Dev Of a Controlled Access Corridor Facility From Niazi Interchange to Babu Sabu)

Client Reference: 3772/103/NBI(P-II)/MWA/04/370

SOM Lab

Ref: 4314 (Page-4/4)

Dated: 13-05-2024

Dated: 11-06-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.665	4	0.498	0.20	0.195	5.86	8.89	64640	66290	98020	100530	1.00	8.0	12.5	
2	0.668	4	0.500	0.20	0.196	5.93	8.99	65420	66760	99150	101170	1.00	8.0	12.5	
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**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Muhammad Azmat, RE

Test Performed By:

Dr. /Engr.

Irfan UI Hassan

NESPAK-Turkpak JV Lhr.(Reconstruction of Lady Willingdon Hospital,Lahore)

Client Reference: 4720/13/MA/04/30

SOM Lab

Ref:

4315 (Page-1/1)

Dated: 10-06-2024

Dated:

11-06-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AF 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.577	6	0.768	0.44	0.463	17.25	24.92	86450	82160	124930	118720	1.00	8.0	12.5	
2	1.580	6	0.769	0.44	0.464	15.70	24.11	78690	74620	120840	114590	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)