

Engr. Zaheer Ud Din Babar

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Dy. General Manager(Works).Habib Rafiq Engineering (Pvt.) Ltd.(Const Of sky Gardens Tower,Lhr)

Client Reference: HRLE/SKG/2024/Aziz/162

SOM Lab Ref: 4715 (P-1/1)

Dated: 02-09-2024

Dated: 02-09-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 200 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	4.793	28	27.89	616	611	262.90	415.50	427	431	675	681	37.5	200	18.8	
2	4.774	28	27.83	616	608	264.00	418.70	429	435	680	689	35.0	200	17.5	
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Witnessed By: M. Irfan (QC Engr/HRL), M. Akram(101 Group)

BEND TEST:

28mm	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

Engr. Zaheer Ud Din Babar

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

Dy. General Manager(Works).Habib Rafiq Engineering (Pvt.) Ltd.(Const Of sky Gardens Tower,Lhr)

Client Reference: HRLE/SKG/2024/Kamran/163

SOM Lab Ref: 4716 (P-1/2)

Dated: 02-09-2024

Dated: 02-09-2024

Test: Tension Test

Test Specification: ASTM-A-615

Gauge Length: 200 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.852	25	25.00	491	491	231.50	316.00	471	472	644	644	35.0	200	17.5	
2	3.744	25	24.64	491	477	234.50	322.70	478	492	657	677	37.5	200	18.8	
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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

Engr. Zaheer Ud Din Babar

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

Dy. General Manager(Works).Habib Rafiq Engineering (Pvt.) Ltd.(Const Of sky Gardens Tower,Lhr)

Client Reference: HRLE/SKG/2024/Kamran/164

SOM Lab Ref: 4716 (P-2/2)

Dated: 02-09-2024

Dated: 02-09-2024

Test: Tension Test

Test Specification: ASTM-A-615

Gauge Length: 200 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.544	16	15.84	201	197	105.20	140.20	523	535	698	712	32.5	200	16.3	
2	1.584	16	16.03	201	202	97.70	136.00	486	485	677	675	35.0	200	17.5	
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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

Xue Fei Yang, Dy Manager

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PowerChina SEPCO1 Electric Power Constuction.Co Ltd. (500KV Nokhar Grid Station)

4719 (Page-1/1)

Client Reference: WB-10A-GS-SEPCP01-211

SOM Lab Ref:

Dated: 02-09-2024

Dated:

02-09-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

Sample Type:

MS Def 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.532	16	15.76	201	195	92.00	143.00	458	472	711	734	30.0	200	15.0	
2	1.560	16	15.91	201	199	92.70	142.70	461	467	710	718	32.5	200	16.3	
3	1.547	16	15.84	201	197	94.00	146.20	468	478	727	743	30.0	200	15.0	
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BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Four Samples Received and Tested</p>

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

Engr. Muhammad Tariq Assai
GM Jafiris and Steele (Pvt) Ltd.(Const Of Al-Munawar Residential)

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

Client Reference: JS80/
SOM Lab Ref: CED/SOM/4714 (Page-1/1)
Test: Tension Test & Bend Test
Sample Type: Deformed Bar

Dated: 02-09-2024
Dated: 02-09-2024
Test Specification: ASTM-A 615
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	3.824	25	24.90	452	487	285.00	356.20	630	586	787	732	32.5	200	16.3	
2	3.909	25	25.18	452	498	321.00	384.70	710	645	850	773	25.0	200	12.5	
3	2.413	20	19.78	314	307	159.00	208.50	506	518	664	679	32.5	200	16.3	
4	2.418	20	19.80	314	308	175.00	220.70	557	569	703	717	35.0	200	17.5	
5	1.554	16	15.88	201	198	101.70	133.00	506	514	661	672	32.5	200	16.3	
6	1.548	16	15.84	201	197	104.70	134.50	521	532	669	683	35.0	200	17.5	
7	0.918	12	12.20	113	117	55.50	73.50	491	475	650	629	35.0	200	17.5	
8	0.989	12	12.66	113	126	61.50	78.20	544	489	691	621	32.5	200	16.3	
9	0.895	12	12.05	113	114	58.70	74.20	519	515	656	651	27.5	200	13.8	
10	0.872	12	11.89	113	111	60.50	76.00	535	545	672	685	30.0	200	15.0	

BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Fifteen Samples Received and Tested
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	
12mm	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

Mehmood Iqbal Cheema,RE

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Nespak-Turk Pak JV, MCH Bwn.(Estb Of General Hospital at Distt Bahawalmager) Lot # 34.

Client Reference: 4460/13/MIAC/04/390

SOM Lab 4717 (Page-1/1)

Dated: 01-09-2024

Dated: 02-09-2024

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.518	6	0.754	0.44	0.446	14.14	19.32	70870	69920	96830	95520	1.30	8.0	16.3	
2	1.514	6	0.753	0.44	0.445	15.31	20.36	76750	75880	102040	100890	1.20	8.0	15.0	
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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

Prime Steel Re-Rolling Mills
Sheikhupura.

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

Client Reference: Nil

SOM Lab Ref: 4718 (Page-1/3)

Dated: 02-09-2024

Dated: 02-09-2024

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	0.675	4	0.502	0.20	0.198	6.24	9.38	68800	69490	103420	104460	1.00	8.0	12.5	H#2
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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

Prime Steel Re-Rolling Mills
Sheikhupura.

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

Client Reference: Nil

SOM Lab 4718 (Page-
Ref: 2/3)

Dated: 02-09-2024

Dated: 02-09-2024

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	0.663	4	0.498	0.20	0.195	5.78	8.51	63740	65370	93860	96270	1.30	8.0	16.3	H# 1
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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

Prime Steel Re-Rolling Mills
Sheikhupura.

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

Client Reference: Nil

SOM Lab 4718 (Page-
Ref: 3/3)

Dated: 02-09-2024

Dated: 02-09-2024

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	1.461	6	0.739	0.44	0.429	12.71	19.54	63720	65350	97950	100460	1.10	8.0	13.8	
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BEND TEST:

# 6	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

M. Yasir Kiani, RE

Test Performed By:

Dr. /Engr. Ifan Ul Hassan

JCP Wahga NESPAK. (Expension Of Joint Check Post Wahga, Lahore)

Client Reference: 4749/031/YK/01/54

SOM Lab

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Ref:

1/1)

Dated: 02-09-2024

Dated:

02-09-2024

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	2.624	8	0.991	0.79	0.771	25.86	35.70	72200	73980	99660	102120	1.30	8.0	16.3	Kamran
2	2.634	8	0.993	0.79	0.774	26.20	35.90	73140	74650	100230	102300	1.40	8.0	17.5	Kamran
3	1.479	6	0.744	0.44	0.435	13.58	18.65	68060	68840	93510	94580	1.50	8.0	18.8	Kamran
4	1.520	6	0.754	0.44	0.447	16.62	21.61	83290	81980	108320	106630	1.40	8.0	17.5	Kamran
5	1.450	6	0.736	0.44	0.426	16.13	19.80	80830	83490	99230	102490	1.00	8.0	12.5	Markhor
6	1.458	6	0.738	0.44	0.428	16.36	19.98	82010	84310	100150	102950	1.10	8.0	13.8	Markhor
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Witnessed By: Sohail Sulehri (NESPAK)

BEND TEST:

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

Tariq Fetah

Test Performed By:

Dr. /Engr.

Irfan Ul Hassan

PM Jilani Poly Construction.(Const Of Jilani Poly-2 Trap Extension Sheikhpura)

Client Reference: JP-2/UET/2024/S-001

SOM Lab

4721 (Page-

Ref:

1a/1)

Dated: 30-08-2024

Dated:

02-09-2024

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	2.620	8	0.990	0.79	0.770	26.40	35.83	73710	75620	100030	102630	1.40	8.0	17.5	Karachi
2	2.626	8	0.991	0.79	0.772	25.50	34.63	71200	72860	96670	98930	1.30	8.0	16.3	Karachi
3	2.624	8	0.991	0.79	0.771	28.46	34.25	79460	81410	95620	97980	1.30	8.0	16.3	SJ
4	2.633	8	0.993	0.79	0.774	29.31	35.04	81820	83510	97810	99830	1.40	8.0	17.5	SJ
5	1.482	6	0.745	0.44	0.436	14.95	19.90	74960	75650	99740	100650	1.10	8.0	13.8	Karachi
6	1.468	6	0.741	0.44	0.431	14.98	19.98	75110	76680	100150	102240	1.00	8.0	12.5	Karachi
7	1.547	6	0.761	0.44	0.455	15.49	19.98	77670	75110	100150	96850	1.20	8.0	15.0	SJ
8	1.508	6	0.751	0.44	0.443	15.39	19.69	77160	76630	98720	98050	1.20	8.0	15.0	SJ
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 8	Sample bend through 180 degrees Satisfactorily without any crack	
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 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

Tariq Fetah

Test Performed By:

Dr. /Engr.

Irfan Ul Hassan

PM Jilani Poly Construction.(Const Of Jilani Poly-2 Trap Extension Sheikhpura)

Client Reference: JP-2/UET/2024/S-001

SOM Lab

4721 (Page-

Ref:

1b/1)

Dated: 30-08-2024

Dated:

02-09-2024

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	0.668	4	0.500	0.20	0.196	5.88	8.60	64860	66190	94870	96810	1.20	8.0	15.0	Karachi
2	0.670	4	0.501	0.20	0.197	5.78	8.43	63740	64710	92960	94380	1.30	8.0	16.3	Karachi
3	0.672	4	0.501	0.20	0.197	6.52	9.02	71940	73040	99480	101000	1.30	8.0	16.3	SJ
4	0.666	4	0.500	0.20	0.196	6.98	8.69	77000	78570	95770	97730	1.00	8.0	12.5	SJ
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BEND TEST:

# 4	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

M. Jameel
40-C-III Gulberg III Lahore.

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

Client Reference: Nil
Dated: Nil

SOM Lab 4722 (Page-1/1)
Ref: 1/1
Dated: 02-09-2024

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	2.625	8	0.991	0.79	0.771	24.79	35.63	69210	70920	99460	101910	1.60	8.0	20.0	
2	2.680	8	1.002	0.79	0.788	25.45	35.78	71060	71240	99890	100140	1.50	8.0	18.8	
3	2.662	8	0.998	0.79	0.782	25.33	35.58	70720	71440	99320	100340	1.60	8.0	20.0	
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BEND TEST:

# 8	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

Alliance Engineers & Contractors
Lahore.(Const Of The HIVE Commercial Building at Lahore)

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

Client Reference: 00200902024003

SOM Lab 4723 (Page-1/1)

Dated: 02-09-2024

Dated: 02-09-2024

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	2.773	8	1.019	0.79	0.815	31.09	36.70	86800	84140	102450	99310	1.30	8.0	16.3	
2	2.792	8	1.022	0.79	0.821	30.48	36.77	85090	81880	102650	98770	1.40	8.0	17.5	
3	1.482	6	0.745	0.44	0.436	14.24	18.65	71380	72040	93510	94360	1.20	8.0	15.0	
4	1.484	6	0.745	0.44	0.436	14.42	18.93	72300	72960	94880	95760	1.30	8.0	16.3	
5	0.671	4	0.501	0.20	0.197	7.65	9.68	84310	85590	106790	108420	1.10	8.0	13.8	
6	0.668	4	0.500	0.20	0.196	7.44	9.48	82060	83730	104540	106670	1.00	8.0	12.5	
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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

Sub Divisional officer,

Test Performed By: Dr. /Engr. Nauman Khurram

BSD No.3 Faisalabad.(Const Of Multi Storied Court/Block in The Premises of Distt Court Complex)

Client Reference: 104

SOM Lab Ref: 4724 (Page-1/1)

Dated: 02-08-2024

Dated: 02-08-2024

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	2.664	8	0.998	0.79	0.783	21.92	36.00	61190	61730	100510	101410	1.40	8.0	17.5	
2	1.505	6	0.750	0.44	0.442	15.04	20.31	75370	75030	101780	101320	1.20	8.0	15.0	
3	0.671	4	0.501	0.20	0.197	7.00	9.17	77230	78400	101170	102710	1.00	8.0	12.5	
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BEND TEST:

--	No Bend test performed	Note:- Only Three Samples Received and Tested

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

