

Jalees Kamran

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Quality Manager, Ibrahim Nizami Steel Wire Industry (Pvt) Ltd. Lahore

Client Reference: Nil

Dated: 08-07-2020

SOM Lab Ref: CED/SOM/2698(Page-1/1)

Dated: 08-07-2020

Test: Tension Test

Test Specification:

ASTM-A 82

Sample Type: H. T. Wire

Gauge Length:

50 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	0.618	10	10.03	79	79	90.00	131.70	1146	1140	1677	1668	1.3	50	2.5	# 16
2	0.619	10	10.02	79	79	85.00	134.20	1082	1078	1709	1701	2.5	50	5.0	# 17
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**BEND TEST:**

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

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

Waqas Ali  
Variant, 25-t-Gulberg- 2, Lahore

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

Client Reference: VA/23/169

SOM Lab 2694(Page-  
Ref: 1/1)

Dated: 30-06-2020

Dated: 08-07-2020

Test: Tension Test

Test Specification:

ASTM-A-615

Guage 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	1.509	6	0.751	0.44	0.443	15.29	19.06	76640	76130	95550	94900	1.00	8.0	12.5	
2	1.502	6	0.749	0.44	0.441	15.62	19.52	78280	78100	97850	97630	1.00	8.0	12.5	
3	0.674	4	0.502	0.20	0.198	7.85	9.33	86560	87430	102860	103890	0.90	8.0	11.3	
4	0.672	4	0.501	0.20	0.197	7.65	9.12	84310	85590	100610	102140	0.90	8.0	11.3	
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**BEND TEST:**

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

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

Senior Sub Engineer  
Town Committee, Mitha Tiwana, Khushab

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

Client Reference: 73-  
Dated: 30-05-2020  
Test: Tension Test

SOM Lab  
Ref: 2695 (Page-1/1)  
Dated: 08-07-2020

Test Specification: ASTM-A-615  
Deformed  
Bar

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	1.222	6	0.676	0.44	0.359	9.89	15.62	49570	60750	78280	95940	0.80	8.0	10.0	
2	1.203	6	0.671	0.44	0.354	10.06	15.67	50430	62680	78530	97610	0.60	8.0	7.5	
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**BEND TEST:**

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

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

Muhammad Imran

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

The Engineer (SFMKBIC-D.G. Khan), Infrastructure Development Authority of The Punjab Government

Client Reference: PD(DGKIC)/DAP/2020/10302

SOM Lab Ref: 2696 (Page-1/1)

Dated: 03-07-2020

Dated: 08-07-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(PAK 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	2.646	8	0.995	0.79	0.778	26.20	34.86	73140	74270	97330	98830	1.00	8.0	12.5	
2	2.650	8	0.996	0.79	0.779	25.89	34.66	72290	73310	96760	98120	1.30	8.0	16.3	
3	1.521	6	0.754	0.44	0.447	16.89	21.51	84670	83340	107810	106120	1.20	8.0	15.0	
4	1.508	6	0.751	0.44	0.443	16.69	21.36	83640	83080	107040	106320	1.20	8.0	15.0	
5	1.061	5	0.630	0.31	0.312	11.16	14.63	79410	78900	104070	103400	1.00	8.0	12.5	
6	1.069	5	0.632	0.31	0.314	11.34	14.70	80650	79620	104580	103250	1.00	8.0	12.5	
7	0.582	4	0.467	0.20	0.171	5.52	7.97	60930	71260	87910	102810	1.10	8.0	13.8	
8	0.632	4	0.487	0.20	0.186	5.91	8.61	65200	70110	94990	102140	1.20	8.0	15.0	
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**BEND TEST:**

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

Anjum Choudhry  
 Production Manager, Izhar Concrete (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr.

M Irfan UI Hassan

Client Reference: nil

SOM Lab

Ref: 2697 (Page-1/1)

Dated: 08-07-2020

Dated: 08-07-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	1.455	6	0.738	0.44	0.428	13.53	19.16	67810	69710	96060	98750	1.20	8.0	15.0	
2	1.457	6	0.738	0.44	0.428	14.02	19.34	70260	72230	96930	99650	1.10	8.0	13.8	
3	1.460	6	0.739	0.44	0.429	14.48	19.32	72560	74420	96830	99310	1.20	8.0	15.0	
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**BEND TEST:**

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

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

Muhammad Waqas Anwar  
Resident Engineer-I, NESPAK, Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali  
Gillani

Client Reference: 3772/FMU/103/MWA/04/78

SOM Lab

Ref: 2699(Page-2/2)

Dated: 04-07-2020

Dated: 08-07-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Pak 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	1.497	6	0.748	0.44	0.440	14.88	20.08	74600	74600	100660	100660	1.00	8.0	12.5	
2	1.488	6	0.746	0.44	0.437	14.78	20.03	74090	74600	100400	101090	1.10	8.0	13.8	
3	0.657	4	0.496	0.20	0.193	7.54	9.76	83180	86200	107580	111480	1.10	8.0	13.8	
4	0.663	4	0.498	0.20	0.195	7.34	9.76	80940	83010	107580	110330	0.90	8.0	11.3	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  <b>Only Six Samples Received and Tested</b>
# 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 Waqas Anwar  
Resident Engineer-I, NESPAK, Lahore

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

Client Reference: 3772/FMU/103/MWA/04/84

SOM Lab

Ref: 2699(Page-1/2)

Dated: 06-07-2020

Dated: 08-07-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Pak 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	2.681	8	1.002	0.79	0.788	26.20	35.47	73140	73320	99030	99290	1.10	8.0	13.8	
2	2.668	8	0.999	0.79	0.784	26.50	35.49	73990	74560	99090	99850	1.10	8.0	13.8	
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**BEND TEST:**

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

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