

Engr. Hassan Abid

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

RE-2 ACES,DHA Multan.(Civil Infrastructure Development Works DHA Multan)

Client Reference: ACES/DHAM/Sec-O/097

Dated : 22-08-2023

SOM Lab Ref: CED/SOM/2801(Page-1/1)

Dated : 04-09-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Mughal Steel)

Gauge Length: 200 m

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	m	%	
1	0.898	12	12.05	113	114	60.50	77.50	535	531	685	680	30.0	200	15.0	
2	0.897	12	12.06	113	114	61.50	77.00	544	539	681	675	27.5	200	13.8	
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**BEND TEST:**

12mm	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)

Engr. Nadeem Mahmood

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

Civil & Urban Engineers Lahore.(Frieslandcampina Engro Pakistan Limited Sahiwal Plant)

Client Reference: Nil

SOM Lab

Ref: 2790 (Page-1/1)

Dated: 02-09-2023

Dated: 04-09-2023

Test: Tension Test & Bend Test  
inc

Test Specification: ASTM-A-615  
Deformed

Gauge Length: 8 h

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	2.628	8	0.991	0.79	0.772	26.35	35.78	73570	75280	99890	102220	1.40	8.0	17.5	
2	1.478	6	0.743	0.44	0.434	14.02	18.96	70260	71230	95040	96350	1.50	8.0	18.8	
3	0.587	4	0.469	0.20	0.173	6.07	7.80	66890	77320	85990	99410	1.00	8.0	12.5	
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**BEND TEST:**

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

Syed Brothers  
Construction Company, Lahore Cantt. (438 G Johar Town Lahore)

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

Client Reference: Nil

Dated: 30-08-2023

Test: Tension Test & Bend Test  
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2791 (Page-1/1)

Dated: 04-09-2023

ASTM-A-615

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	1.47 4	6	0.74 3	0.4 4	0.43 3	14.32	23.36	71790	72950	11711 0	11900 0	1.3 0	8. 0	16. 3	
2	1.47 3	6	0.74 3	0.4 4	0.43 3	14.29	23.36	71640	72800	11711 0	11900 0	1.4 0	8. 0	17. 5	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  <b>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)

Meezan Developers  
Lahore.(Const Of Jamia Tur Rasheed Lahore Campus)

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

Client Reference: Nil

SOM Lab

Ref: 2792 (Page-1/1)

Dated: 04-09-2023

Dated: 04-09-2023

Test: Tension Test & Bend Test  
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.566	8	0.980	0.79	0.754	25.43	33.71	71000	74390	94110	98600	1.50	8.00	18.8	
2	2.560	8	0.979	0.79	0.752	25.69	34.15	71720	75340	95340	100150	1.60	8.00	20.0	
3	0.647	4	0.492	0.20	0.190	6.70	8.33	73850	77740	91840	96670	1.10	8.00	13.8	
4	0.650	4	0.493	0.20	0.191	6.83	8.69	75320	78860	95770	100290	1.10	8.00	13.8	
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**BEND TEST:**

# 8	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)

Abdul Haq  
P.D (South-3) SWP WASO PAEC,D.G Khan.

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

Client Reference: SWP/W(2529)/2023

SOM Lab

Ref: 2793 (Page-1/1)

Dated: 28-08-2023

Dated: 04-09-2023

Test: Tension Test & Bend Test  
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	1.522	6	0.754	0.44	0.447	13.27	19.54	66530	65490	97950	96420	1.60	8.0	20.0	
2	1.527	6	0.756	0.44	0.449	13.37	19.72	67040	65700	98870	96890	1.30	8.0	16.3	
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**BEND TEST:**

# 6	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)

Raja Muhammad Aqeel

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

Astt Dir. Building Section DHA Gujranwala.(Const Of 5 Marla Villas Block-D)

Client Reference: 111/3/AD Bldgs/Gen/55

SOM Lab

Ref: 2795 (Page-1/1)

Dated: 04-09-2023

Dated: 04-09-2023

Test: Tension Test & Bend Test  
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	0.67 1	4	0.50 1	0.20	0.19 7	5.47	8.28	60370	61290	91280	92670	1.3 0	8. 0	16. 3	
2	0.66 1	4	0.49 7	0.20	0.19 4	5.50	8.31	60700	62580	91610	94450	1.3 0	8. 0	16. 3	
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**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  <b>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)

Muhammad Asif  
 PM Imperium Developers,Lahore.(Const Of Sixty6 at Gulberg-III,Lahore)

Test Performed By: Dr./Engr. Wasim Abbas

Client Reference: IMP/PM/66/04/86

Dated: 04-09-2023

Test: Tension Test & Bend Test Test Specification:

Gauge Length: 8 inch

Sample Type:

SOM Lab

Ref: 2796 (Page-1/1)

Dated: 04-09-2023

ASTM-A-615

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	2.595	8	0.986	0.79	0.763	25.40	37.94	70920	73430	105920	109670	1.10	8.0	13.8	
2	2.602	8	0.987	0.79	0.765	25.71	38.35	71770	74120	107060	110560	1.00	8.0	12.5	
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Witnessed By: M. Husnain Imran (Imperium Developers)

**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)

Engr. Naveed Sadiq  
RE Orbit Devlopers.Lahore.(The Springs Atrim,Gulberg Lahore)

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

Client Reference: Nil

SOM Lab

Ref: 2797 (Page-1/1)

Dated: 04-09-2023

Dated: 04-09-2023

Test: Tension Test & Bend Test  
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	0.653	4	0.494	0.20	0.192	6.85	9.14	75540	78690	100830	105030	1.20	8.0	15.0	
2	0.658	4	0.496	0.20	0.193	6.83	9.12	75320	78050	100610	104260	1.20	8.0	15.0	
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**BEND TEST:**

# 4	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)



Engr. Naveed Sadiq  
RE Orbit Housing.Lahore.(The Springs Apartment Homes)

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

Client Reference: Nil

Dated: 04-09-2023

Test: Tension Test & Bend Test  
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2798 (Page-1/1)

Dated: 04-09-2023

ASTM-A-615

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	2.641	8	0.994	0.79	0.776	25.38	37.31	70860	72140	104160	106040	1.20	8.00	15.00	
2	2.667	8	0.999	0.79	0.784	25.64	37.74	71570	72120	105350	106160	1.30	8.00	16.03	
3	1.522	6	0.754	0.44	0.447	15.62	21.22	78280	77050	106380	104710	1.20	8.00	15.00	
4	1.520	6	0.754	0.44	0.447	15.31	21.05	76750	75540	105510	103860	1.10	8.00	13.08	
5	0.649	4	0.493	0.20	0.191	6.90	9.25	76100	79690	101960	106760	1.00	8.00	12.05	
6	0.655	4	0.494	0.20	0.192	6.95	9.30	76660	79860	102520	106790	1.00	8.00	12.05	
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**BEND TEST:**

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

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

Asst Dir Dev. DHA Gujranwala.(Family Recreational Park & Eateries and Food point,Park A & B)

Client Reference: 111/3/AD/Dev/ESAC-02/61

Dated: 30-08-2023

Test: Tension Test & Bend Test  
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2799 (Page-1/1)

Dated: 04-09-2023

ASTM-A-615

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.484	6	0.745	0.44	0.436	13.20	19.27	66170	66780	96570	97460	1.50	8.0	18.8	
2	1.487	6	0.746	0.44	0.437	12.86	18.88	64480	64930	94630	95280	1.10	8.0	13.8	
3	0.668	4	0.500	0.20	0.196	5.91	8.36	65200	66530	92180	94060	1.30	8.0	16.3	
4	0.667	4	0.500	0.20	0.196	5.83	8.36	64300	65610	92180	94060	1.20	8.0	15.0	
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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)

Engr. Muhammad Ashraf Bhatti

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

CM Barqaab Consult.Services (Pvt) Ltd.(500/220/132kV Nokhar S/Station,ADB Loan No.3677-Pak)

Client Reference: 500KV/SS/N-LHR/BQB/132

SOM Lab

Ref: 2800 (Page-1/1)

Dated: 01-09-2023

Dated: 04-09-2023

Test: Tension Test & Bend Test  
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.672	8	1.000	0.79	0.785	25.69	35.70	71720	72170	99660	100300	1.20	8.00	15.00	
2	2.672	8	1.000	0.79	0.785	25.79	35.80	72000	72460	99950	100580	1.40	8.00	17.05	
3	1.511	6	0.752	0.44	0.444	15.01	21.27	75210	74540	106640	105680	1.20	8.00	15.00	
4	1.504	6	0.750	0.44	0.442	14.27	20.23	71540	71210	101420	100970	1.40	8.00	17.05	
5	1.510	6	0.752	0.44	0.444	15.19	20.46	76130	75450	102550	101620	1.30	8.00	16.03	
6	1.517	6	0.754	0.44	0.446	14.48	20.95	72560	71580	105000	103590	1.30	8.00	16.03	
7	0.671	4	0.501	0.20	0.197	6.60	8.94	72730	73840	98580	100080	1.20	8.00	15.00	
8	0.673	4	0.502	0.20	0.198	6.65	8.87	73290	74030	97800	98780	1.30	8.00	16.03	
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Witnessed By:

M. Adnan (Civil Engineer), Rana Zahid (F.M, EHV)

**BEND TEST:**

Sr. (1)	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:- Only Fourteen Samples Received and Tested</b>
Sr. (3-6)	Sample bend through 180 degrees Satisfactorily without any crack	
Sr. (7)	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)

Assistant Engineer (Civil)

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

Building & Works Deptt. UET Lhr. (Const. Of Upper Floor Of Exist/Building of The Deptt Of Comp. Engg)

Client Reference: B&W/ECSC/10

SOM Lab

Ref: 2802 (Page-1/2)

Dated: 01-09-2023

Dated: 04-09-2023

Test: Tension Test & Bend Test  
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Mughal 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	1.513	6	0.753	0.44	0.445	17.13	19.39	85840	84880	97180	96090	1.40	8.0	17.5	
2	1.531	6	0.757	0.44	0.450	17.71	20.82	88750	86780	104340	102020	1.10	8.0	13.8	
3	1.037	5	0.623	0.31	0.305	10.96	13.27	77960	79240	94420	95970	1.40	8.0	17.5	
4	1.034	5	0.622	0.31	0.304	11.06	13.27	78690	80240	94420	96290	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 Six Samples Received and Tested</b>
# 5	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)

Assistant Engineer (Civil)

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

Building &amp; Works Deptt. UET Lhr. (Upper Floor Of Exist/Building of The Deptt Of Computer Science)

SOM Lab

Client Reference: B&W/ECSC/11

Ref: 2802 (Page-2/2)

Dated: 01-09-2023

Dated: 04-09-2023

Test: Tension Test & Bend Test  
inc

Test Specification: ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Amreli 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	1.513	6	0.753	0.445	0.445	17.71	20.66	88750	87760	103570	102410	1.10	8.0	13.8	
2	1.512	6	0.752	0.444	0.444	17.18	19.52	86100	85320	97850	96970	1.20	8.0	15.0	
3	1.022	5	0.618	0.310	0.300	10.65	13.27	75790	78310	94420	97570	1.30	8.0	16.3	
4	1.034	5	0.622	0.314	0.304	11.06	13.32	78690	80240	94790	96660	1.40	8.0	17.5	
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**BEND TEST:**

# 6 Sample bend through 180 degrees Satisfactorily without any crack

# 5 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](http://www.uet-civil.edu.pk)

Engr. Arfan Ullah

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

Asstt Dir Civil National Skills Uni Isb.(Const of B/Wall and Main Gate At NSU Isb Muridke Campus)

Client Reference: F.No.NSU/Muridke/Phase-I/2023/7

SOM Lab

Ref: 2803 (Page-1/1)

Dated: 28-08-2023

Dated: 04-09-2023

Test: Tension Test & Bend Test  
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	0.672	4	0.501	0.20	0.197	6.73	8.87	74190	75320	97800	99290	1.30	8.0	16.3	
2	0.666	4	0.500	0.20	0.196	6.80	8.94	74980	76510	98580	100600	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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**BEND TEST:**

# 4	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)

