

Basharat Munir

Test Performed By:

Dr. /Engr.

Nauman Khurram

Project Manager, Dupak Properties (Pvt) Ltd. Defence View Apartments at Shanghai Road Lahore

Client Reference: Dupak/DVA/047

SOM Lab

Ref:

2819(Page-1/1)

Dated: 11-08-2020

Dated:

11-08-2020

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	2.613	8	0.989	0.79	0.768	27.98	34.96	78120	80360	97610	100410	1.20	8.0	15.0	
2	2.595	8	0.986	0.79	0.763	28.72	37.53	80170	83000	104780	108490	1.20	8.0	15.0	
3	1.504	6	0.750	0.44	0.442	14.44	18.73	72400	72080	93860	93440	1.10	8.0	13.8	
4	1.557	6	0.764	0.44	0.458	19.83	22.96	99380	95480	115070	110540	1.00	8.0	12.5	
5	0.676	4	0.503	0.20	0.199	6.75	8.63	74420	74790	95210	95690	1.10	8.0	13.8	
6	0.677	4	0.503	0.20	0.199	7.34	9.07	80940	81340	100050	100550	0.90	8.0	11.3	
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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)

Muhammad Waqas Anwar  
Resident Engineer-I, NESPAK, Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali  
Gillani

Client Reference: 3772/FMU/103/MWA/04/162-A

SOM Lab

Ref: 2821(Page-1/1)

Dated: 04-08-2020

Dated: 11-08-2020

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	2.564	8	0.980	0.79	0.754	23.26	32.64	64940	68040	91120	95470	1.50	8.0	18.8	
2	2.513	8	0.970	0.79	0.739	23.36	32.74	65230	69730	91410	97720	1.40	8.0	17.5	
3	0.656	4	0.496	0.20	0.193	6.17	8.21	68010	70480	90490	93770	1.30	8.0	16.3	
4	0.656	4	0.496	0.20	0.193	6.07	8.07	66890	69310	89030	92260	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
# 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)

Best Builders  
 Engineer & Constructor, 324 Q, Model Town Ext., Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali  
 Gillani

Client Reference: nil

Dated: 11-08-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 2822(Page-1/1)

Dated: 11-08-2020

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	1.502	6	0.749	0.44	0.441	16.92	21.00	84820	84630	105260	105020	1.30	8.0	16.3	
2	0.674	4	0.502	0.20	0.198	6.07	9.38	66890	67560	103420	104460	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 Four 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](http://www.uet-civil.edu.pk)

M. Yousaf & Co.  
Civil Contractor, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: M.Y./UET/2020-07  
Dated: 11-08-2020  
Test: Tension Test  
Gauge Length: 8 inch

SOM Lab  
Ref: 2824(Page-1/1)  
Dated: 11-08-2020  
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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.683	8	1.002	0.79	0.788	20.13	34.30	56210	56350	95760	96010	1.20	8.0	15.0	
2	2.688	8	1.003	0.79	0.790	20.20	34.61	56410	56410	96620	96620	1.00	8.0	12.5	
3	1.518	6	0.754	0.44	0.446	14.29	21.99	71640	70670	110210	108730	1.10	8.0	13.8	
4	1.528	6	0.756	0.44	0.449	14.12	21.94	70770	69350	109960	107750	1.00	8.0	12.5	
5	0.632	4	0.487	0.20	0.186	5.32	8.33	58680	63100	91840	98750	1.10	8.0	13.8	
6	0.638	4	0.488	0.20	0.187	5.30	8.31	58460	62520	91610	97980	1.20	8.0	15.0	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  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)

Riaz Construction Co.  
Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali  
Gillani

Client Reference: nil

Dated: 11-08-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 2823(Page-1/1)

Dated: 11-08-2020

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	1.498	6	0.748	0.44	0.440	16.74	21.12	83900	83900	105870	105870	1.10	8.0	13.8	
2	0.682	4	0.505	0.20	0.200	6.44	9.40	71040	71040	103640	103640	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>  Only Four 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](http://www.uet-civil.edu.pk)

M. Yousaf & Co.  
Civil Contractor, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: M.Y./UET/2020-07  
Dated: 11-08-2020  
Test: Tension Test  
Gauge Length: 8 inch

SOM Lab  
Ref: 2824(Page-1/1)  
Dated: 11-08-2020  
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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.683	8	1.002	0.79	0.788	20.13	34.30	56210	56350	95760	96010	1.20	8.0	15.0	
2	2.688	8	1.003	0.79	0.790	20.20	34.61	56410	56410	96620	96620	1.00	8.0	12.5	
3	1.518	6	0.754	0.44	0.446	14.29	21.99	71640	70670	110210	108730	1.10	8.0	13.8	
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5	0.632	4	0.487	0.20	0.186	5.32	8.33	58680	63100	91840	98750	1.10	8.0	13.8	
6	0.638	4	0.488	0.20	0.187	5.30	8.31	58460	62520	91610	97980	1.20	8.0	15.0	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  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)