

Maj Adnan khalid®

Test Performed By: Dr. /Engr.

S. Asad Ali Gillani

By Dir MTL, Proposed Commercial Plaza, DRGCC Ph-III, DHA Ph-VI, (M/S Construct)

Client Reference: 408/241/E/Lab/939/5395

SOM Lab

Ref: 2689(Page-1/1)

Dated: 07-07-2020

Dated: 07-07-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

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)				
	lb/ft	#	in	in <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.467	6	0.741	0.44	0.431	12.76	18.55	63970	65310	92990	94940	1.20	8.0	15.0	
2	1.468	6	0.741	0.44	0.431	12.76	18.57	63970	65310	93100	95040	1.10	8.0	13.8	
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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)

Atiq-Ur-Rehman  
 Director Executive (South) PAEC Chashma

Test Performed By: Dr. /Engr.

S. Asad Ali  
Gillani

Client Reference: PD(CH)/WASO/PNPFC/11/19/1336

SOM Lab

Ref: 2687(Page-1/1)

Dated: 01-07-2020

Dated: 06-07-2020

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	1.518	6	0.754	0.44	0.446	15.19	20.29	76130	75110	101680	100310	1.10	8.0	13.8	
2	1.502	6	0.749	0.44	0.441	15.01	20.05	75210	75040	100500	100280	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>  <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)

Basharat Munir

Test Performed By:

Dr. /Engr. M Rizwan Riaz

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

Client Reference: Dupak/DVA/046

SOM Lab Ref: 2688(Page-1/1)

Dated: 07-07-2020

Dated: 07-07-2020

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	0.663	4	0.498	0.20	0.195	6.03	8.97	66550	68250	98920	101460	1.30	8.0	16.3	
2	0.668	4	0.500	0.20	0.196	5.93	8.97	65420	66760	98920	100940	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)

Engr Arif Irfan Shaikh  
Project Director, Banu Mukhtar, Lahore

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

Client Reference: BML-001-Civil-001

SOM Lab  
Ref: 2690(Page-1/1)

Dated: 07-07-2020

Dated: 07-07-2020

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	2.680	8	1.002	0.79	0.788	24.26	33.91	67730	67900	94680	94920	1.20	8.0	15.0	
2	2.675	8	1.000	0.79	0.786	23.98	33.84	66940	67280	94480	94960	1.40	8.0	17.5	
3	1.500	6	0.749	0.44	0.441	13.66	19.52	68470	68310	97850	97630	1.30	8.0	16.3	
4	1.518	6	0.754	0.44	0.446	13.97	19.59	70000	69060	98210	96880	1.30	8.0	16.3	
5	0.665	4	0.498	0.20	0.195	6.52	9.23	71940	73790	101730	104340	1.40	8.0	17.5	
6	0.668	4	0.500	0.20	0.196	6.47	9.19	71380	72840	101390	103460	1.30	8.0	16.3	
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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)

Muhammad Zubair Yousaf

Test Performed By: Dr. /Engr.

M Irfan UI Hassan

RE. Sector - M, (Old-C) ProMag (Pvt) Ltd. Site Office, Sector - U, Mattital Road, DHA Multan

Client Reference: RE/Sector-M(Old-C) / 675

SOM Lab 2691(Page-Ref: 1/1)

Dated: 06-07-2020

Dated: 07-07-2020

Test: Tension Test & Bend 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	0.602	4	0.475	0.20	0.177	6.57	8.33	72510	81930	91840	103770	0.90	8.0	11.3	
2	0.602	4	0.475	0.20	0.177	6.83	8.46	75320	85100	93300	105420	1.00	8.0	12.5	
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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)

Asif Nadeem Khawar

Test Performed By:

Dr. /Engr.

S. Asad Ali  
Gillani

Resident Engineer, Metroplan-Asian JV, Site Office Talang Road Mianwali

Client Reference: Metroplan Asian JV-Nexus-MMCH-RE-279

SOM Lab

Ref: 2692(Page-1/1)

Dated: 03-07-2020

Dated: 07-07-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (S J 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	1.490	6	0.747	0.44	0.438	16.51	20.31	82780	83150	101780	102250	1.00	8.0	12.5	
2	1.466	6	0.741	0.44	0.431	15.36	18.22	77000	78610	91310	93210	1.00	8.0	12.5	
3	1.480	6	0.744	0.44	0.435	17.33	20.76	86860	87860	104080	105280	1.00	8.0	12.5	
4	1.511	6	0.752	0.44	0.444	16.21	19.83	81240	80510	99380	98490	1.00	8.0	12.5	
5	1.467	6	0.741	0.44	0.431	14.83	20.41	74350	75900	102290	104430	1.10	8.0	13.8	
6	1.482	6	0.745	0.44	0.436	16.23	20.10	81340	82090	100760	101680	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>  <b>Only Nine Samples Received and Tested</b>
# 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](http://www.uet-civil.edu.pk)

**Qamar uz Zaman**  
**Project Manager, Aujla & Associates Gujranwala**

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

**S. Asas Ali**  
**Gillani**

**Client Reference: nil**

**Dated: 07-07-2020**

**Test: Tension Test & Bend Test**  
**Gauge Length: 8 inch**

**Test Specification:**  
**Sample Type:**

**SOM Lab**

**Ref: 2693(Page-1/3)**

**Dated: 07-07-2020**

**ASTM-A-615**

**Deformed Bar (AFCO 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	2.603	8	0.987	0.79	0.765	28.59	36.44	79830	82430	101740	105060	1.20	8.0	15.0	
2	2.607	8	0.988	0.79	0.766	29.02	36.70	81020	83560	102450	105660	1.20	8.0	15.0	
3	1.484	6	0.745	0.44	0.436	18.01	21.46	90290	91110	107560	108540	1.00	8.0	12.5	
4	1.478	6	0.743	0.44	0.434	17.40	21.05	87220	88430	105510	106970	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>  <b>Only Six Samples Received and Tested</b>
# 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](http://www.uet-civil.edu.pk)**

**Qamar uz Zaman**  
**Project Manager, Aujla & Associates Gujranwala**

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

**S. Asas Ali**  
**Gillani**

**Client Reference:** nil

**Dated:** 07-07-2020

**SOM Lab**

**Ref:** 2693(Page-2/3)

**Dated:** 07-07-2020

**Test:** Tension Test & Bend Test

**Gauge Length:** 8 inch

**Test Specification:**

**Sample Type:**

**ASTM-A-615**

**Deformed Bar (AFCO 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	1.471	6	0.742	0.44	0.432	18.27	21.61	91560	93260	108320	110330	1.20	8.0	15.0	
2	1.484	6	0.745	0.44	0.436	16.38	21.10	82110	82860	105770	106740	1.30	8.0	16.3	
3	0.655	4	0.494	0.20	0.192	6.03	7.61	66550	69320	83970	87470	1.10	8.0	13.8	
4	0.651	4	0.493	0.20	0.191	5.73	7.49	63180	66150	82620	86520	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>  <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)



**Qamar uz Zaman**  
**Project Manager, Aujla & Associates Gujranwala**

**Test Performed By:**

**Dr. /Engr.**

**S. Asas Ali**  
**Gillani**

**Client Reference:** nil

**SOM Lab Ref:** 2693(Page-3/3)

**Dated:** 07-07-2020

**Dated:** 07-07-2020

**Test:** Tension Test & Bend Test

**Test Specification:**

**ASTM-A-615**

**Gauge Length:** 8 inch

**Sample Type:**

**Deformed Bar ( Mughal & AFCO 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	2.623	8	0.991	0.79	0.771	29.26	36.82	81680	83690	102790	105320	1.30	8.0	16.3	
2	2.669	8	0.999	0.79	0.784	30.58	37.82	85380	86030	105580	106390	1.00	8.0	12.5	
3	1.480	6	0.744	0.44	0.435	17.86	21.66	89520	90550	108580	109830	1.00	8.0	12.5	
4	1.473	6	0.743	0.44	0.433	16.33	20.64	81860	83180	103470	105140	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>  <b>Only Six Samples Received and Tested</b>
# 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](http://www.uet-civil.edu.pk)