

Sohail Afzal

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

AGM Projects, Izhar Const.(Pvt) Ltd.Lahore.(Const Of Dolmen Shopping Mall DHA Lahore)

Client Reference: ICPL/CONST-DML/21/372

Dated: 04-04-2023

SOM Lab Ref: CED/SOM/2033(Page-1/1)

Dated: 04-04-2023

Test: Tension Test &amp; Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar (Ittafaq Steel)

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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.980	12	12.62	113	125	58.70	88.20	519	470	780	706	30.0	200	15.0	
2	0.977	12	12.59	113	124	58.70	88.20	519	472	780	709	25.0	200	12.5	
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**BEND TEST:**

12mm Sample bend through 180 degrees Satisfactorily without any crack

**Note:-**Only Three Samples  
Received and TestedNote: 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. Wasim Abbas

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

Client Reference: 111/3/AD Bldgs/Gen/39

SOM Lab

Ref: 2034 (Page-1/1)

Dated: 04-04-2023

Dated: 04-04-2023

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	0.672	4	0.501	0.20	0.197	6.01	8.36	66320	67330	92180	93580	1.10	8.0	13.8	
2	0.671	4	0.501	0.20	0.197	6.01	8.41	66320	67330	92740	94150	1.00	8.0	12.5	
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**BEND TEST:**

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

Abrar Shah , RE

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

VELOSI Engg.(Suprervision For Const Of Lodging Facility 1000 F/Male Hostel at UAF FSD)

**Client Reference:** VISP/AUF/002

**SOM Lab**

**Ref:** 2035 (Page-1/1)

**Dated:** 27-03-2023

**Dated:** 04-04-2023

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.625	8	0.991	0.79	0.771	26.76	32.23	74700	76550	89990	92200	1.60	8.0	20.0	
2	2.621	8	0.990	0.79	0.770	26.37	31.91	73620	75530	89070	91390	1.60	8.0	20.0	
3	1.489	6	0.747	0.44	0.438	14.60	20.92	73170	73500	104850	105330	1.20	8.0	15.0	
4	1.482	6	0.745	0.44	0.436	14.53	20.71	72810	73480	103830	104780	1.20	8.0	15.0	
5	0.672	4	0.501	0.20	0.197	6.39	8.61	70480	71560	94990	96430	1.20	8.0	15.0	
6	0.672	4	0.501	0.20	0.197	6.37	8.63	70260	71330	95210	96660	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 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)

Farrukh Jamal

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

PM Unicon Consulting Services.(Const Of Building Center at Uni Of Argiculture, Faisalabad)

**Client Reference:** Nil

**SOM Lab**

**Ref:** 2036 (Page-1/1)

**Dated:** 03-04-2023

**Dated:** 04-04-2023

**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	2.626	8	0.991	0.79	0.772	25.28	35.37	70580	72220	98750	101050	1.50	8.0	18.8	
2	2.624	8	0.991	0.79	0.771	25.40	35.44	70920	72670	98950	101390	1.40	8.0	17.5	
3	1.480	6	0.744	0.44	0.435	13.63	19.03	68320	69100	95400	96490	1.40	8.0	17.5	
4	1.482	6	0.745	0.44	0.436	13.68	19.06	68570	69200	95550	96430	1.50	8.0	18.8	
5	0.667	4	0.500	0.20	0.196	6.27	8.36	69130	70540	92180	94060	1.40	8.0	17.5	
6	0.668	4	0.500	0.20	0.196	6.22	8.36	68570	69970	92180	94060	1.30	8.0	16.3	
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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)