

Huma Asif

Test Performed By: Dr. /Engr. Nauman Khurram

Asstt Exec.Engr-IV CC Div No.1 Pak P.W.D Lahore.(Const Of New Office Block)

Client Reference: AEE-IV/CCD-I/LHR/97

SOM Lab

Ref: 675 (Page-1/1)

Dated: 27-06-2022

Dated: 27-07-2022

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	2.582	8	0.983	0.79	0.759	24.43	34.20	68220	71000	95480	99380	1.40	8.0	17.5	
2	2.042	8	0.874	0.79	0.600	24.43	34.12	68220	89820	95250	125410	1.50	8.0	18.8	
3	1.448	6	0.736	0.44	0.426	14.63	18.55	73320	75730	92990	96050	1.30	8.0	16.3	
4	1.470	6	0.742	0.44	0.432	14.53	18.71	72810	74160	93760	95500	1.20	8.0	15.0	
5	1.020	5	0.618	0.31	0.300	10.01	13.30	71220	73590	94640	97800	1.10	8.0	13.8	
6	1.017	5	0.617	0.31	0.299	9.91	12.81	70490	73090	91160	94520	1.00	8.0	12.5	
7	0.607	4	0.476	0.20	0.178	6.01	7.72	66320	74520	85100	95610	1.10	8.0	13.8	
8	0.603	4	0.475	0.20	0.177	6.03	7.67	66550	75200	84530	95520	1.00	8.0	12.5	
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**BEND TEST:**

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

Total Parco Pakistan

**Test Performed By:**

Dr. /Engr.

Nauman Khurram

Area Manager (Project & Maintenance) .(Project:- Creation Of Best Filling Station- Grw-Hafizabad Rd)

**Client Reference:** Nil

**Dated:** 27-07-2022

**SOM Lab Ref:** CED/SOM/676(Page-1/1)

**Dated:** 27-07-2022

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A 615

**Sample Type:** MS Deformed Bar

**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	2.191	20	18.85	314	279	102.00	172.00	325	366	547	617	35.0	200	17.5	
2	2.202	20	18.90	314	281	102.20	172.00	325	365	547	614	32.5	200	16.3	
3	2.202	20	18.90	314	281	102.20	174.00	325	365	554	621	35.0	200	17.5	
4	0.840	12	11.67	113	107	43.20	67.00	382	404	592	627	32.5	200	16.3	
5	0.853	12	11.77	113	109	47.00	73.50	416	433	650	677	32.5	200	16.3	
6	0.853	12	11.76	113	109	47.00	72.50	416	433	641	668	35.0	200	17.5	
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**BEND TEST:**

Sr. # (1-3) Sample bend through 180 degrees Satisfactorily without any crack

Sr. # (4-6) Sample bend through 180 degrees Satisfactorily without any crack

**Note:-**

Only Twelve 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)

Sub Divisional Officer

Test Performed By:

Dr. /Engr.

Nauman Khurram

BSD Chakwal.(Estb Of Uni Of Chakwal ADP No. 66 For the Year 2020-21)

Client Reference: 277/CwI

SOM Lab

Ref:

677 (Page-1/1)

Dated: 15-02-2022

Dated:

27-07-2022

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	2.652	8	0.996	0.79	0.779	26.81	33.94	74850	75900	94770	96100	1.40	8.0	17.5	
2	1.492	6	0.747	0.44	0.438	15.51	19.52	77770	78120	97850	98290	1.30	8.0	16.3	
3	0.667	4	0.500	0.20	0.196	6.93	8.58	76440	78000	94650	96580	1.00	8.0	12.5	
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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
# 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)

Asif Shahzad

**Test Performed By:**

Dr. /Engr.

Nauman Khurram

Astt Project Engr. Building Section DHA Gujranwala.(Const Of Villas (Block-E))

**Client Reference:** 111/3/APE Bldgs/GEN/19

**SOM Lab**

**Ref:**

679 (Page-1/1)

**Dated:** 27-07-2022

**Dated:**

27-07-2022

**Test:** Tension Test & Bend Test

**Test Specification:**

ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:**

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	0.654	4	0.494	0.20	0.192	6.24	7.85	68800	71660	86560	90160	1.00	8.0	12.5	
2	0.648	4	0.492	0.20	0.190	6.44	7.97	71040	74780	87910	92530	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)

The Cooperative Engineers

Test Performed By:

Dr. /Engr.

Nauman Khurram

Town Society.Lahore (Const Of Zanab Masjid Sub Block D In Sec "A" )

Client Reference: 10122/TCETS/2022

SOM Lab

Ref:

680 (Page-1/1)

Dated: 22-04-2022

Dated:

27-07-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Moiz 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	1.488	6	0.746	0.44	0.437	13.97	19.27	70000	70480	96570	97230	1.50	8.0	18.8	
2	0.694	4	0.510	0.20	0.204	6.42	9.40	70820	69430	103640	101610	1.30	8.0	16.3	
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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)