

Alkhidmat Foundation Pakistan  
PM Alkhidmat Lahore.(Aghosh Gilit Hostel)

Test Performed By: Dr. /Engr. Kashif

Client Reference: AkFP-D-781

SOM Lab

Ref: 1308 (Page-1/1)

Dated: 19-11-2022

Dated: 25-11-2022

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	1.436	6	0.733	0.44	0.422	15.19	19.90	76130	79380	99740	103990	1.00	8.0	12.5	
2	1.426	6	0.730	0.44	0.419	14.68	20.00	73580	77270	100250	105270	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>  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)

Associate Consulting Engineers  
(ACE)

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

RE (ACE) UAEET Sambrial,Sialkot.(Estb Of UAEET Sambrial,Sialkot)

Client Reference: TE/UAEET/ACE/2022/108

SOM Lab

Ref: 1309 (Page-1/1)

Dated: 25-11-2022

Dated: 25-11-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Deformed Bar (A.F

Gauge Length: 8 inch

Sample Type:

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	1.510	6	0.752	0.44	0.444	12.59	20.18	63100	62540	101170	100260	1.40	8.0	17.5	
2	1.503	6	0.750	0.44	0.442	13.53	20.08	67810	67500	100660	100200	1.40	8.0	17.5	
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**BEND TEST:**

# 6	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)

Muhammad Shafi

**Test Performed By:**

Dr. /Engr. Asad Ali Gillani

Dy. Manager PIEDMC Chunian.(Const And Maintenance Works In Chunian Aqua Business Park)

**Client Reference:** PIE/CABP/QAQC/MSL/11

**SOM Lab**

**Ref:** 1310 (Page-1/1)

**Dated:** 24-11-2022

**Dated:** 25-11-2022

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:**

Deformed Bar (Batala)

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	6.39	8.51	70480	73420	93860	97770	1.40	8.0	17.5	
2	0.666	4	0.500	0.20	0.196	6.22	8.33	68570	69970	91840	93710	1.60	8.0	20.0	
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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)

Muneeb Ali Hamza  
Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 1311 (Page-1/1)

Dated: 25-11-2022

Dated: 25-11-2022

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	2.687	8	1.003	0.79	0.790	24.62	33.18	68730	68730	92630	92630	1.60	8.0	20.0	
2	1.492	6	0.747	0.44	0.438	14.48	20.36	72560	72890	102040	102500	1.30	8.0	16.3	
3	0.667	4	0.500	0.20	0.196	6.29	8.05	69360	70770	88800	90620	1.20	8.0	15.0	
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**BEND TEST:**

--	No Bend test performed	<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)

Chaudhry Rizwan Mushtaq

Test Performed By:

Dr. /Engr. Asad Ali Gillani

RE Nespak Guj.(Dualization Of Rd From GT Rd Gujrat Dina Rd 1/C Gujrat Flyover L-31KMs)

Client Reference: 4364/03/CRM/01/22/027

SOM Lab

Ref: 1312 (Page-1/1)

Dated: 21-11-2022

Dated: 25-11-2022

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	2.703	8	1.005	0.79	0.794	27.83	35.65	77690	77300	99520	99020	1.40	8.0	17.5	
2	2.684	8	1.002	0.79	0.789	27.32	35.49	76270	76370	99090	99220	1.50	8.0	18.8	
3	1.552	6	0.762	0.44	0.456	16.11	21.43	80730	77900	107400	103630	1.30	8.0	16.3	
4	1.550	6	0.762	0.44	0.456	15.72	20.76	78790	76030	104080	100430	1.20	8.0	15.0	
5	1.048	5	0.626	0.31	0.308	11.21	13.83	79780	80290	98410	99050	1.20	8.0	15.0	
6	1.066	5	0.631	0.31	0.313	11.31	14.04	80500	79730	99860	98910	1.40	8.0	17.5	
7	0.672	4	0.501	0.20	0.197	6.29	8.96	69360	70410	98810	100310	1.30	8.0	16.3	
8	0.666	4	0.500	0.20	0.196	6.27	8.92	69130	70540	98360	100370	1.40	8.0	17.5	
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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)