

Ch Abdul Ghafoor
Resident Engineer, Workers Welfare Complex(Phase-I)Adjacent to Sundar Industrial Estate, Distt. Kasur

Test Performed By: Dr. /Engr. Amna Rajpoot

Client Reference: RE/PEPAC/Sundar/AB-125

SOM Lab Ref: 402(Page-1/1)

Dated: 04-03-2019

Dated: 05-03-2019

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.055	5	0.628	0.31	0.310	12.79	15.01	91020	91020	106750	106750	1.10	8.0	13.8	
2	1.029	5	0.620	0.31	0.302	10.91	13.22	77600	79660	94060	96550	0.90	8.0	11.3	
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BEND TEST:

# 5	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Sr. Construction Engineer
 Construction Division-I, WASA, (LDA). Lahore

Test Performed By: Dr. /Engr. Amna Rajpoot

Client Reference: CD-I/79-80

SOM Lab

Ref: 403(Page-1/1)

Dated: 21-02-2019

Dated: 05-03-2019

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.664	4	0.498	0.20	0.195	5.61	8.07	61830	63410	89030	91310	1.40	8.0	17.5	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Two Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Engr. Ahmad Sheraz
 Director, (Oprations) NLC - AEL Joint Venture, Lahore

Test Performed By: Dr. /Engr. Bilal A Khokhar

Client Reference: NLC-AEL/19/03/2948

SOM Lab

Ref: 404(Page-1/1)

Dated: 04-03-2019

Dated: 05-03-2019

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.581	8	0.982	0.79	0.758	19.18	28.75	53560	55820	80250	83640	1.90	8.0	23.8	
2	2.572	8	0.981	0.79	0.756	18.93	28.80	52850	55230	80400	84010	1.70	8.0	21.3	
3	0.672	4	0.501	0.20	0.197	6.24	9.30	68800	69840	102520	104080	1.30	8.0	16.3	
4	0.672	4	0.501	0.20	0.197	6.22	9.30	68570	69620	102520	104080	1.20	8.0	15.0	
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Witnessed By: Sohaib Alu, NESPAK, & Shahrooz Iqbal City Steel,

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- 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