

Abdul Ghafar
Project Manager Liberty Builders, Lahore

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

Client Reference: CONC - 20190729

SOM Lab

Ref: 1645(Page-1/1)

Dated: 29-10-2019

Dated: 29-10-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Model Power)

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	2.647	8	0.995	0.79	0.778	28.05	35.68	78320	79530	99600	101140	1.30	8.0	16.3	
2	2.620	8	0.990	0.79	0.770	24.36	31.75	68020	69780	88650	90950	1.50	8.0	18.8	
3	2.586	8	0.984	0.79	0.760	23.85	30.78	66590	69220	85940	89340	1.50	8.0	18.8	
4	0.688	4	0.507	0.20	0.202	6.57	8.74	72510	71790	96340	95380	0.80	8.0	10.0	
5	0.672	4	0.501	0.20	0.197	5.78	7.85	63740	64710	86560	87870	1.10	8.0	13.8	
6	0.662	4	0.498	0.20	0.195	5.98	8.05	65990	67680	88800	91080	1.10	8.0	13.8	
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BEND TEST:

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

Maj Adnan khalid@

Test Performed By: Dr. /Engr.

Riaz Ahmed
Goraya

Dy Dir MTL, Const. of Commercial Shops at DRGCC Ph-III, DHA Ph-VI, (M/S Construct)

Client Reference: 408/241/E/Lab/750/3895

SOM Lab

Ref: 1646(Page-1/2)

Dated: 29-10-2019

Dated: 29-10-2019

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.646	4	0.492	0.20	0.190	5.91	8.21	65200	68630	90490	95250	1.20	8.0	15.0	
2	0.646	4	0.492	0.20	0.190	6.01	8.38	66320	69810	92400	97260	1.10	8.0	13.8	
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BEND TEST:

# 4	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

Maj Adnan khalid@

Test Performed By: Dr. /Engr.

Riaz Ahmed
Goraya

Dy Dir MTL, Const. of Commercial Shops at DRGCC Ph-III, DHA Ph-VI, (M/S Construct)

Client Reference: 408/241/E/Lab/751/3924

SOM Lab

Ref: 1646(Page-2/2)

Dated: 29-10-2019

Dated: 29-10-2019

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.649	4	0.493	0.20	0.191	6.22	8.72	68570	71800	96110	100640	1.10	8.0	13.8	
2	0.639	4	0.489	0.20	0.188	5.91	8.72	65200	69360	96110	102250	1.10	8.0	13.8	
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BEND TEST:

# 4	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

Amjad Saeed
Resident Engineer, NESPAK (Pvt) Ltd. Lahore

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

Client Reference: 3994/103/AS/02/145

SOM Lab

Ref: 1649(Page-1/1)

Dated: 28-10-2019

Dated: 29-10-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kisan 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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.407	6	0.725	0.44	0.413	17.04	21.61	85430	91020	108320	115400	1.00	8.0	12.5	
2	1.453	6	0.737	0.44	0.427	17.13	22.70	85840	88450	113790	117250	1.00	8.0	12.5	
3	0.642	4	0.491	0.20	0.189	7.82	9.12	86220	91240	100610	106460	0.90	8.0	11.3	
4	0.666	4	0.500	0.20	0.196	7.77	9.09	85660	87410	100270	102320	1.10	8.0	13.8	
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BEND TEST:

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

