

General Manager Operations,
Model Steel Enterprises (Pvt) Ltd Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab

Ref: 1370(Page-1/1)

Dated: 11-09-2019

Dated: 12-09-2019

Test: Tension 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	2.679	8	1.001	0.79	0.787	27.73	35.68	77410	77700	99600	99980	1.20	8.0	15.0	
2	2.677	8	1.001	0.79	0.787	27.88	35.83	77830	78130	100030	100410	1.30	8.0	16.3	
3	1.504	6	0.750	0.44	0.442	15.31	19.93	76750	76400	99890	99440	0.90	8.0	11.3	
4	1.509	6	0.751	0.44	0.443	15.62	20.25	78280	77750	101530	100840	1.00	8.0	12.5	
5	0.655	4	0.494	0.20	0.192	6.01	8.28	66320	69090	91280	95080	1.00	8.0	12.5	
6	0.654	4	0.494	0.20	0.192	5.81	8.07	64080	66750	89030	92740	0.90	8.0	11.3	
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BEND TEST:

--	No Bend test performed	Note:- Only Six Samples Received and Tested

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

Engr. Fizan Hussain
Assistant Engineer, B & W Department, U. E. T. Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: B & W/AEN/110969

SOM Lab

Ref: 1374 (Page-1/1)

Dated: 11-09-2019

Dated: 11-09-2019

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	1.430	6	0.731	0.44	0.420	12.59	17.99	63100	66110	90180	94480	1.40	8.0	17.5	
2	1.432	6	0.732	0.44	0.421	12.69	18.01	63620	66490	90290	94360	1.10	8.0	13.8	
3	0.988	5	0.608	0.31	0.290	10.01	13.02	71220	76130	92610	99000	1.20	8.0	15.0	
4	0.984	5	0.607	0.31	0.289	10.09	12.86	71800	77020	91520	98170	1.00	8.0	12.5	
5	0.641	4	0.489	0.20	0.188	5.83	7.36	64300	68400	81160	86340	0.90	8.0	11.3	
6	0.639	4	0.489	0.20	0.188	5.93	7.61	65420	69600	83970	89330	1.00	8.0	12.5	
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BEND TEST:

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

Muhammad Affan
 ProPriotor, ICON Residedencia, Icon Valley, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab

Ref: 1375(Page-1/1)

Dated: 11-09-2019

Dated: 12-09-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Ittefaq 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	2.762	8	1.017	0.79	0.812	28.13	35.93	78550	76420	100320	97600	1.10	8.0	13.8	
2	2.748	8	1.014	0.79	0.808	33.44	39.78	93340	91260	111040	108570	1.20	8.0	15.0	
3	1.475	6	0.743	0.44	0.433	16.02	19.47	80320	81620	97590	99170	0.80	8.0	10.0	
4	1.517	6	0.754	0.44	0.446	18.50	23.45	92740	91490	117520	115940	0.60	8.0	7.5	
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BEND TEST:

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

Ch Abdul Ghafoor

Test Performed By:

Dr. /Engr.

Nauman Khurram

Resident Engineer, PEPAC, W W C. (Phase-II) Adjacent to Sundar Ind. Estate, Kasur (Package-R)

SOM Lab

Client Reference: RE/PEPAC/WWC/101-00

Ref:

1379(Page-1/1)

Dated: 12-09-2019

Dated:

12-09-2019

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	2.650	8	0.996	0.79	0.779	28.80	36.85	80400	81530	102880	104330	1.20	8.0	15.0	
2	2.642	8	0.994	0.79	0.776	28.31	35.78	79030	80460	99890	101690	1.10	8.0	13.8	
3	0.666	4	0.500	0.20	0.196	5.88	9.07	64860	66190	100050	102090	1.20	8.0	15.0	
4	0.666	4	0.500	0.20	0.196	5.91	9.04	65200	66530	99710	101740	1.10	8.0	13.8	
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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