

The Cooperative Model Town

Test Performed By:

Dr. /Engr.

Wasim Abbas

Society.Lahore (Modification of Multiplex into Society Head Office Model Town Lahore)

Client Reference: CE Misc 1402/21

SOM Lab

Ref:

671 (Page-1/1)

Dated: 25-07-2022

Dated:

26-07-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.674	8	1.000	0.79	0.786	27.14	33.64	75760	76140	93910	94390	1.30	8.0	16.3	
2	2.612	8	0.989	0.79	0.768	27.22	33.08	75980	78160	92350	94990	1.40	8.0	17.5	
3	1.527	6	0.756	0.44	0.449	16.77	27.03	84050	82370	135500	132790	1.20	8.0	15.0	
4	1.528	6	0.756	0.44	0.449	16.69	20.92	83640	81970	104850	102750	1.10	8.0	13.8	
5	0.662	4	0.498	0.20	0.195	7.21	8.69	79470	81510	95770	98230	1.30	8.0	16.3	
6	0.666	4	0.500	0.20	0.196	7.26	8.74	80040	81670	96340	98300	1.10	8.0	13.8	
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BEND TEST:

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

Maqsood Alam

Test Performed By:

Dr. /Engr.

Wasim Abbas

Senior Manager (Civil), Systems limited, Lahore.(Rear Tower Systems Limited)

Client Reference: SYS-RT-UET-001

SOM Lab

Ref:

672 (Page-1/1)

Dated: 26-07-2022

Dated:

26-07-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.643	8	0.995	0.79	0.777	25.23	34.86	70440	71610	97330	98960	1.00	8.0	12.5	
2	2.632	8	0.992	0.79	0.773	25.28	34.66	70580	72130	96760	98890	1.10	8.0	13.8	
3	2.626	8	0.991	0.79	0.772	24.74	34.07	69070	70680	95110	97330	1.30	8.0	16.3	
4	1.553	6	0.762	0.44	0.456	14.65	20.31	73430	70850	101780	98210	1.20	8.0	15.0	
5	1.514	6	0.753	0.44	0.445	14.80	20.66	74190	73360	103570	102410	1.10	8.0	13.8	
6	1.530	6	0.757	0.44	0.450	14.09	19.83	70620	69050	99380	97170	1.20	8.0	15.0	
7	0.674	4	0.502	0.20	0.198	5.73	8.02	63180	63810	88470	89360	1.30	8.0	16.3	
8	0.668	4	0.500	0.20	0.196	6.91	9.76	76220	77770	107580	109770	1.00	8.0	12.5	
9	0.663	4	0.498	0.20	0.195	5.58	7.92	61490	63070	87340	89580	1.20	8.0	15.0	
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BEND TEST:

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

Qaisar Abbas

Test Performed By:

Dr. /Engr.

Wasim Abbas

Project Dir, IDAP.(Pilot Program For Hub And Spoke Model At Zahir Pir Rahim Yar Khan)

Client Reference: PD/ZP/IDAP/SO/2022/22

SOM Lab

Ref: 673 (Page-1/1)

Dated: 27-06-2022

Dated: 26-07-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Five Mega Star)

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	1.517	6	0.754	0.44	0.446	13.53	20.97	67810	66890	105100	103690	1.20	8.0	15.0	
2	0.661	4	0.497	0.20	0.194	6.34	8.53	69920	72080	94090	97000	1.00	8.0	12.5	
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BEND TEST:

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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore.

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: IHPL/Steel/0202
Dated: 23-07-2022
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 674 (Page-1/3)
Dated: 26-07-2022
Test Specification: ASTM-A-615
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	0.627	4	0.484	0.20	0.184	6.49	8.87	71610	77830	97800	106300	1.00	8.0	12.5	
2	0.633	4	0.487	0.20	0.186	6.57	8.77	72510	77960	96670	103950	1.10	8.0	13.8	
3	0.666	4	0.500	0.20	0.196	6.75	9.09	74420	75940	100270	102320	1.00	8.0	12.5	
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Witnessed By: Engr.Rafi Ullah (IHPL) & Ali Hussnain Khan (K.B)

BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Five 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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore.

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: IHPL/Steel/0203

SOM Lab

Ref: 674 (Page-2/3)

Dated: 23-07-2022

Dated: 26-07-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.452	6	0.737	0.44	0.427	13.99	19.29	70100	72240	96670	99620	1.20	8.0	15.0	
2	1.452	6	0.737	0.44	0.427	14.22	19.29	71280	73450	96670	99620	1.20	8.0	15.0	
3	1.488	6	0.746	0.44	0.437	13.99	19.52	70100	70590	97850	98520	1.30	8.0	16.3	
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Witnessed By: Engr.Rafi Ullah (IHPL) & Ali Hussnain Khan (K.B)

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Five 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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore.

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: IHPL/Steel/0204
Dated: 23-07-2022
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 674 (Page-3/3)
Dated: 26-07-2022
Test Specification: ASTM-A-615
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	2.582	8	0.983	0.79	0.759	23.70	35.24	66170	68870	98380	102400	1.20	8.0	15.0	
2	2.590	8	0.984	0.79	0.761	24.28	35.93	67790	70370	100320	104140	1.40	8.0	17.5	
3	2.590	8	0.984	0.79	0.761	23.80	35.27	66450	68980	98470	102220	1.40	8.0	17.5	
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Witnessed By: Engr.Rafi Ullah (IHPL) & Ali Hussnain Khan (K.B)

BEND TEST:

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