

Engr. Naveed Sadiq
 RE Orbit Developers.Lahore.(The Springs Atrium,Gulberg Lahore)

Test Performed By: Dr. /Engr. Irfan UI Hassan

Client Reference: Nil

Dated: 18-12-2023

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3368 (Page-1/1)

Dated: 18-12-2023

ASTM-A-615

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	2.655	8	0.997	0.79	0.780	21.81	34.58	60900	61680	96530	97770	1.40	8.0	17.5	
2	2.652	8	0.996	0.79	0.779	21.81	34.32	60900	61760	95820	97170	1.30	8.0	16.3	
3	0.643	4	0.491	0.20	0.189	7.49	9.53	82620	87430	105100	111220	0.90	8.0	11.3	
4	0.664	4	0.498	0.20	0.195	7.56	9.76	83410	85550	107580	110330	0.90	8.0	11.3	
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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

Muhammad Asif

Test Performed By:

Dr. /Engr. Bilal Khokhar

PM Imperium Developers,Lahore.(Const Of Sixty6 at Gulberg-III,Lahore)

Client Reference: IMP/PM/66/04/115

SOM Lab

Ref: 3369 (Page-1/1)

Dated: 13-12-2023

Dated: 18-12-2023

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	2.644	8	0.995	0.79	0.777	26.12	35.80	72910	74130	99950	101620	1.30	8.0	16.3	
2	2.625	8	0.991	0.79	0.771	23.87	35.78	66650	68290	99890	102350	1.30	8.0	16.3	
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Witnessed By: Muhammad Tahir Ayaz (Site Engineer, Imperium Developers)

BEND TEST:

# 8	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

Sajid Hussain Sadiq

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

SE Sitara Heights.(Project "3 Jays Tower Firdous Market Gulberg 3 Lahore)

Client Reference: SHPL/3JAYS/LHR/19

SOM Lab

Ref:

3370 (Page-1/1)

Dated: 18-12-2023

Dated:

18-12-2023

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	2.689	8	1.003	0.79	0.790	23.39	33.51	65310	65310	93540	93540	1.30	8.0	16.3	
2	2.664	8	0.998	0.79	0.783	23.39	33.30	65310	65900	92970	93800	1.50	8.0	18.8	
3	1.492	6	0.747	0.44	0.438	14.07	20.87	70510	70840	104590	105070	1.20	8.0	15.0	
4	1.484	6	0.745	0.44	0.436	14.07	20.80	70510	71160	104230	105190	1.20	8.0	15.0	
5	0.670	4	0.501	0.20	0.197	6.54	8.84	72170	73270	97460	98940	1.10	8.0	13.8	
6	0.670	4	0.501	0.20	0.197	6.65	9.02	73290	74410	99480	101000	1.10	8.0	13.8	
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BEND TEST:

8 Sample bend through 180 degrees Satisfactorily without any crack

6 Sample bend through 180 degrees Satisfactorily without any crack

4 Sample bend through 180 degrees Satisfactorily without any crack

Note:-Only Nine Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

Engineer Muhammad Irfan
Dy Dir Infra. DHA Gujranwala.(Executive Block)

Test Performed By: Dr. /Engr. Irfan UI Hassan

Client Reference: 111/15/DD/RS/Lab/OHWT/EB/48

SOM Lab

Ref: 3371 (Page-1/1)

Dated: 15-12-2023

Dated: 11-12-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Nomi 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	0.631	4	0.485	0.20	0.185	5.71	8.10	62950	68060	89370	96610	1.20	8.0	15.0	
2	0.662	4	0.498	0.20	0.195	6.17	8.26	68010	69750	91050	93390	1.20	8.0	15.0	
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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

Engr. Atif Bashir Ahmed,MCQ

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

EastGate Industries (Pvt) Ltd.Lhr.(Const Of New Office Building at EGA-2,Gujumatta,Rohi Nala,Lhr)

Client Reference: Nil

SOM Lab

Ref: 3372 (Page-1/1)

Dated: 18-12-2023

Dated: 18-12-2023

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	2.615	8	0.989	0.79	0.768	23.65	34.96	66020	67920	97610	100410	1.50	8.0	18.8	
2	1.498	6	0.748	0.44	0.440	14.48	20.90	72560	72560	104750	104750	1.40	8.0	17.5	
3	1.008	5	0.614	0.31	0.296	10.24	14.07	72890	76330	100080	104810	1.20	8.0	15.0	
4	0.666	4	0.500	0.20	0.196	7.29	9.33	80370	82010	102860	104950	0.90	8.0	11.3	
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BEND TEST:

# 8	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	
# 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

Test Performed by: Dr. S. Asad Ali Gillani

Project Manager
Syed brother Construction Company Lahore.
(Construction of House No M₂-275&276 Lake City Lahore)

Reference No.: Nil

Dated: 18-12-2023

SOM Lab Ref: CED/SOM/3373(Page-1/1)

Dated: 18-12-2023

Test: Tensile Test, Elongation at Break, Hardness Test & Comp. Set Test

Sample Type: PVC Water Stopper

TENSILE STRENGTH AND ELONGATION TEST. (AS PER ASTM-D-412)

S. No	Sample Size (mm)	Ultimate Load (kN)	Tensile Strength (Mpa)	Elongation at Break(%)	Marks
1	12.0 x 4.8	0.60	10.42	110.0	MarFlex
2	13.8 x 4.3	0.65	10.95	140.0	MarFlex
3	18.8 x 4.8	1.02	11.30	180.0	Professional Sealers
4	18.5 x 4.4	1.02	12.53	180.0	Professional Sealers

- COMPRESSION SET TEST (AS PER ASTM-D-395)

S. No.	Thickness of Sample (mm)	Final Thickness (mm)	Compression set (%)	Marks
1	4.50	4.36	3.11	MarFlex
2	4.40	4.24	3.63	Professional Sealers

- HARDNESS TEST (AS PER ASTM-D-2240)

S. No	Sample Type	Hardness Avg (Shore A)	Marks
1	PVC Water Stopper	87.66	MarFlex
2	PVC Water Stopper	82.66	Professional Sealers

