

Aamir Shahzad Alvi
 PM High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

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

Client Reference: QC/HQ/CIVIL/137

Dated : 22-09-2023

SOM Lab Ref: CED/SOM/2912(Page-1/1)

Dated : 22-09-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

Gauge Length: 200 m

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	m	%	
1	0.893	12	12.05	113	114	56.70	80.70	501	498	714	708	30.0	200	15.0	
2	0.910	12	12.15	113	116	58.20	82.70	515	503	731	714	35.0	200	17.5	
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BEND TEST:

12mm	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

Tameer Engineering Systems
Lahore.

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

Client Reference: Nil

Dated : 22-09-2023

SOM Lab Ref: CED/SOM/2915 (Page-1/1)

Dated : 22-09-2023

Test: Tension Test

Test Specification: ASTM-F-1554

Sample Type: Anchor Bolts

Gauge Length: 200 m

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	m	%	
1	3.939	24	25.28	380	502	217.60	339.70	572	434	894	677	42.5	200	21.3	
2	2.621	20	20.62	314	334	160.50	264.00	511	481	840	791	25.0	200	12.5	
3	1.625	16	16.24	201	207	85.70	134.20	426	414	667	649	27.5	200	13.8	
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BEND TEST:

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

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

Syed Mohsin Ali RE
QA/QC Deptt. Bahria Town Lhr. (Masjid at Bahria Rose Garden Thokar)

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

Client Reference: QA/QC/Steel-3344

SOM Lab

Ref: 2913 (Page-1/1)

Dated: 21-09-2023

Dated: 22-09-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.633	8	0.993	0.79	0.774	26.32	33.51	73480	75000	93540	95480	1.20	8.0	15.0	
2	2.611	8	0.988	0.79	0.767	25.56	32.77	71350	73490	91490	94240	1.40	8.0	17.5	
3	1.487	6	0.746	0.44	0.437	14.50	18.25	72660	73160	91460	92090	1.40	8.0	17.5	
4	1.479	6	0.744	0.44	0.435	14.22	18.47	71280	72100	92590	93650	1.20	8.0	15.0	
5	0.667	4	0.500	0.20	0.196	6.49	8.15	71610	73070	89930	91760	1.10	8.0	13.8	
6	0.673	4	0.502	0.20	0.198	6.47	8.33	71380	72100	91840	92770	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

Sub Divisional officer, Test Performed By: Dr. /Engr. Asad Ali Gillani
 Sub Div No.17 GOR-I,Lhr.(Improv & Renovation Of Dilapodated House In GORS & Govt. Colonies Lhr)

Client Reference: SDO/172
 Dated: 28-04-2023

SOM Lab
 Ref: 2914 (Page-1/1)
 Dated: 22-09-2023

Test: Tension Test & Bend Test
 Gauge Length: 8 h

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	2.67 2	8	1.00 0	0.79	0.78 5	26.71	37.72	74560	75040	10530 0	10597 0	1.3 0	8. 0	16. 3	
2	2.67 2	8	1.00 0	0.79	0.78 5	26.71	37.72	74560	75040	10530 0	10597 0	1.2 0	8. 0	15. 0	
3	1.50 3	6	0.75 0	0.44	0.44 2	12.95	19.06	64890	64600	95550	95120	1.4 0	8. 0	17. 5	
4	1.50 2	6	0.74 9	0.44	0.44 1	13.02	19.22	65250	65100	96320	96100	1.3 0	8. 0	16. 3	
5	0.67 1	4	0.50 1	0.20	0.19 7	5.98	8.21	65990	66990	90490	91870	1.3 0	8. 0	16. 3	
6	0.67 1	4	0.50 1	0.20	0.19 7	5.76	7.95	63510	64480	87680	89020	1.2 0	8. 0	15. 0	
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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