

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

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: QC/HQ/CIVIL/119

Dated : 09-08-2023

SOM Lab Ref: CED/SOM/2673(Page-1/1)

Dated : 10-08-2023

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	3.970	25	25.38	491	506	257.70	337.50	525	510	688	667	30.0	200	15.0	
2	3.950	25	25.31	491	503	231.70	313.70	472	461	639	624	37.5	200	18.8	
3	2.403	20	19.74	314	306	160.00	209.00	509	523	665	683	32.5	200	16.3	
4	2.154	20	18.69	314	274	137.50	185.70	438	502	591	677	35.0	200	17.5	
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Witnessed By: Saeed Khan (Lab Incharge, High-Q Mall)

BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
20mm	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

Muddasir Ali
Lahore

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

Client Reference: Nil

SOM Lab

Ref: 2672 (Page-1/1)

Dated: 10-08-2023

Dated: 10-08-2023

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	2.63 2	8	0.99 2	0.7 9	0.77 3	25.56	37.00	71350	72920	10330 0	10558 0	1.3 0	8. 0	16. 3	
2	1.03 8	5	0.62 3	0.3 1	0.30 5	10.40	13.63	73970	75190	96960	98550	1.2 0	8. 0	15. 0	
3	0.66 4	4	0.49 8	0.2 0	0.19 5	6.63	8.63	73070	74940	95210	97650	1.0 0	8. 0	12. 5	
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BEND TEST:

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

Qasiser Nadeem,A/XEN

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

E&M GE(Air) Rafiqui.(Rehb Of RCC Pen B-13,B-14,B-18 & B-20 In Bravo Area at PAF Base Rafiqui)

Client Reference: 6685/26/E-6

SOM Lab

Ref: 2675 (Page-1/1)

Dated: 07-08-2023

Dated: 10-08-2023

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	0.668	4	0.500	0.20	0.196	6.49	8.46	71610	73070	93300	95200	1.00	8.00	12.5	
2	0.672	4	0.501	0.20	0.197	6.60	8.43	72730	73840	92960	94380	1.10	8.00	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

Qasim Ali

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

Senior Manager Project-Civil Vision Packaging,Volka Food International.Ltd.Multan

Client Reference: VFI/Civil/21

SOM Lab

Ref: 2676 (Page-1/1)

Dated: 26-07-2023

Dated: 10-08-2023

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	2.59 1	8	0.98 4	0.7 9	0.76 1	24.84	33.54	69350	72000	93630	97200	1.0 0	8. 0	12. 5	
2	2.58 8	8	0.98 4	0.7 9	0.76 1	24.77	33.84	69160	71790	94480	98080	1.4 0	8. 0	17. 5	
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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

EPCM Consultants,ME

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

NESPAK Sahiwal.(PICIIP)(Trunk Main Sewers,Effluent Pumping Station and Allied Work, Lot-04)

Client Reference: 3976//11/MS/SWL/Lot-4/01/118

SOM Lab

Ref: 2677 (Page-1/1)

Dated: 04-08-2023

Dated: 10-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Sheikhoo 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	0.664	4	0.498	0.20	0.195	5.58	7.65	61490	63070	84310	86470	1.20	8.00	15.00	
2	0.673	4	0.502	0.20	0.198	5.58	7.67	61490	62110	84530	85390	1.10	8.00	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

