

Zulfiqar Mustafa

Test Performed By:

Dr. /Engr.

Bilal Khokhar

Head Of Operations BEMSOL Pvt.Ltd.(StarchPack Greenfield Project At Kasur)

Client Reference: BPL/202206091

Dated: 09-06-2022

SOM Lab Ref: CED/SOM/461(Page-1/1)

Dated: 09-06-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

Gauge Length: 200 mm

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	mm	%	
1	3.886	25	25.11	491	495	265.70	328.00	541	537	668	663	37.5	200	18.8	Lot-2
2	3.899	25	25.15	491	497	264.00	337.20	538	532	687	679	37.5	200	18.8	Lot-2
3	0.889	12	12.01	113	113	56.50	71.00	500	499	628	627	27.5	200	13.8	Lot-2
4	0.892	12	12.03	113	114	60.00	73.00	531	529	645	643	25.0	200	12.5	Lot-2
5	2.422	20	19.82	314	309	172.00	222.00	547	558	707	720	30.0	200	15.0	Lot-1
6	2.444	20	19.91	314	311	169.70	217.70	540	546	693	700	32.5	200	16.3	Lot-1
7	0.969	12	12.54	113	123	70.30	86.00	622	570	760	697	27.5	200	13.8	Lot-1
8	0.972	12	12.56	113	124	59.50	73.50	526	481	650	594	27.5	200	13.8	Lot-1
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
12mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	Sample bend through 180 degrees Satisfactorily without any crack	

Muhammad Rajab.

Test Performed By: Dr. /Engr. Bilal Khokhar

M.Sp Kachhi Canal Rem.Works Consults-(KC-06B(4R)Const. Of Main Canal And Distribution System)

Client Reference: KCP/CRE/KC-6B(4R)/UET/602

SOM Lab 460 (Page-

Ref: 1/1)

Dated: 30-05-2022

Dated: 09-06-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Ithad 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	1.603	6	0.774	0.44	0.471	16.11	20.90	80730	75420	104750	97850	1.00	8.0	12.5	
2	1.576	6	0.768	0.44	0.463	16.07	20.61	80530	76530	103310	98180	1.10	8.0	13.8	
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BEND TEST:

# 6	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

Sabir Iqbal
 Pricipal Architect, MADHO Art Design And Architecture Lahore

Test Performed By: Dr. /Engr. Bilal Ahmad

Client Reference: Nil

SOM Lab 462 (Page-

Ref: 1/1)

Dated: 09-06-2022

Dated: 09-06-2022

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	1.488	6	0.746	0.44	0.437	15.39	19.29	77160	77680	96670	97340	1.20	8.0	15.0	
2	0.592	4	0.471	0.20	0.174	6.75	7.77	74420	85540	85660	98460	1.00	8.0	12.5	
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BEND TEST:

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

Zahid Mughal
C/O M/S Amanah Noor Residence Wapda Town, Lahore.

Test Performed By: Dr. /Engr. Bilal Khukhar

Client Reference: Nil

SOM Lab 463 (Page-

Ref: 1/1)

Dated: 09-06-2022

Dated: 09-06-2022

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	2.657	8	0.997	0.79	0.781	22.78	33.40	63610	64340	93260	94330	1.50	8.0	18.8	
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BEND TEST:

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

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

Hafiz Ozair Ahmad

Test Performed By: Dr. /Engr. Bilal Khokhar

Dy.Dir(QCD) WASA,LDA,Lhr.(Laying Of Sewerage Sys From Muhammad Ali chowk To Ameer Chowk)

Client Reference: QCD/1377-78

SOM Lab 464 (Page-

Ref: 1/1)

Dated: 09-06-2022

Dated: 09-06-2022

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	2.547	8	0.977	0.79	0.749	27.34	34.10	76330	80500	95190	100400	1.30	8.0	16.3	
2	1.649	6	0.786	0.44	0.485	18.11	21.76	90800	82370	109090	98970	1.10	8.0	13.8	
3	0.656	4	0.496	0.20	0.193	7.67	8.89	84530	87600	98020	101580	1.00	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
# 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

Premier Developer & Builders

Test Performed By: Dr. /Engr. Bilal Khokhar

Procurement Manager .(Lyallpur Galleria-II Near Four Season Colony Samundri Road,FSD)

Client Reference: LG-II/018

SOM Lab 465 (Page-

Ref: 1/1)

Dated: 08-06-2022

Dated: 09-06-2022

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	2.661	8	0.998	0.79	0.782	25.69	35.04	71720	72450	97810	98810	1.50	8.0	18.8	
2	1.506	6	0.751	0.44	0.443	14.14	18.83	70870	70390	94370	93730	1.50	8.0	18.8	
3	0.651	4	0.493	0.20	0.191	6.34	9.04	69920	73220	99710	104410	1.30	8.0	16.3	
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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	
# 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

ES Consultant (Pvt) Ltd.

Test Performed By:

Dr. /Engr. Bilal Khokhar

Asst RE ES Consultant (Estb Of Center Of Excellence Boys At Chakwal)

Client Reference: RE/ESC/COE/2022-50

SOM Lab 466 (Page-

Ref: 1/1)

Dated: 09-06-2022

Dated: 09-06-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Zia 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	2.619	8	0.990	0.79	0.770	21.99	36.77	61390	62980	102650	105310	1.40	8.0	17.5	
2	2.602	8	0.987	0.79	0.765	21.22	36.62	59250	61190	102220	105560	1.40	8.0	17.5	
3	1.516	6	0.754	0.44	0.446	13.37	19.95	67040	66140	99990	98650	1.50	8.0	18.8	
4	1.511	6	0.752	0.44	0.444	13.46	20.13	67450	66840	100910	100000	1.50	8.0	18.8	
5	0.677	4	0.503	0.20	0.199	6.13	9.79	67560	67900	107910	108460	1.20	8.0	15.0	
6	0.677	4	0.503	0.20	0.199	5.52	8.77	60930	61230	96670	97160	1.00	8.0	12.5	
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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

