

Cantonment Executive Officer,
Sargodha Cantt.(Providing Laying Of Sewerage Lines/Disposal Ward No.4)

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

Client Reference: CBS/CONT/01/711

SOM Lab

Ref: 1948 (Page-1/4)

Dated: 15-02-2023

Dated: 17-03-2023

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	0.674	4	0.502	0.20	0.198	8.36	9.81	92180	93110	108140	109230	1.00	8.0	12.5	
2	0.671	4	0.501	0.20	0.197	7.29	9.12	80370	81600	100610	102140	1.00	8.0	12.5	
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BEND TEST:

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

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

Cantonment Executive Officer,
Sargodha Cantt.(Providing/ Laying Of Sewerage Lines/Disposal Ward No.1)

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

Client Reference: CBS/CONT/01/712

SOM Lab

Ref: 1948 (Page-2/4)

Dated: 15-02-2023

Dated: 17-03-2023

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	0.671	4	0.501	0.20	0.197	6.83	8.74	75320	76460	96340	97800	1.10	8.0	13.8	
2	0.674	4	0.502	0.20	0.198	6.24	8.28	68800	69490	91280	92200	1.00	8.0	12.5	
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BEND TEST:

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

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

Cantonment Executive Officer,
Sargodha Cantt.(Providing/ Laying Of Sewerage Lines/Disposal Ward No.6)

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

Client Reference: CBS/CONT/01/710

SOM Lab

Ref: 1948 (Page-3/4)

Dated: 15-02-2023

Dated: 17-03-2023

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	0.674	4	0.502	0.20	0.198	6.63	8.61	73070	73810	94990	95950	1.00	8.0	12.5	
2	0.681	4	0.505	0.20	0.200	6.80	8.66	74980	74980	95550	95550	1.00	8.0	12.5	
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BEND TEST:

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

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

Cantonment Executive Officer,

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

Sargodha Cantt.(Providing/ Laying Of Sewerage Lines/Disposal Ward No.6,07,08,09 &10)

Client Reference: CBS/

SOM Lab

Ref: 1948 (Page-4/4)

Dated: 16-02-2023

Dated: 17-03-2023

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	0.671	4	0.501	0.20	0.197	6.44	8.23	71040	72130	90720	92100	0.90	8.0	11.3	
2	0.676	4	0.503	0.20	0.199	7.26	9.09	80040	80440	100270	100770	1.10	8.0	13.8	
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BEND TEST:

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

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

Engr. Shahzad Khaleeq Awan

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Sr.PM Izhar Const. Pvt.Ltd.(Const. Of Mixed-Used Commercial DB-32 at DHA Lahore)

Client Reference: Nil

SOM Lab

Ref:

1949 (Page-1/1)

Dated: 17-03-2023

Dated:

17-03-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (SJ 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	2.685	8	1.002	0.79	0.789	25.05	32.52	69920	70010	90780	90900	1.50	8.0	18.8	
2	2.655	8	0.997	0.79	0.780	27.01	33.76	75420	76380	94250	95460	1.20	8.0	15.0	
3	1.482	6	0.745	0.44	0.436	15.62	19.72	78280	79000	98870	99780	1.50	8.0	18.8	
4	1.485	6	0.745	0.44	0.436	15.60	19.83	78180	78890	99380	100290	1.10	8.0	13.8	
5	1.015	5	0.616	0.31	0.298	10.37	13.10	73760	76730	93190	96940	1.40	8.0	17.5	
6	1.011	5	0.615	0.31	0.297	10.52	13.46	74840	78120	95730	99920	1.30	8.0	16.3	
7	0.673	4	0.502	0.20	0.198	7.21	9.07	79470	80280	100050	101060	1.20	8.0	15.0	
8	0.672	4	0.501	0.20	0.197	7.05	9.09	77790	78970	100270	101800	1.10	8.0	13.8	
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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	
# 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

Muhammad Shafi

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

Dy. Manager PIEDMC Chunian.(Const And Maintenance Works In Chunian Aqua Business Park)

Client Reference: PIE/CABP/QAQC/MSL/20

SOM Lab

Ref: 1950 (Page-1/1)

Dated: 16-03-2023

Dated: 17-03-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Batala 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	0.973	5	0.603	0.31	0.286	9.68	13.58	68900	74680	96600	104710	1.00	8.0	12.5	
2	0.979	5	0.606	0.31	0.288	9.89	14.19	70350	75720	100950	108660	1.10	8.0	13.8	
3	0.672	4	0.501	0.20	0.197	7.14	9.40	78690	79890	103640	105220	1.00	8.0	12.5	
4	0.672	4	0.501	0.20	0.197	7.19	9.33	79250	80460	102860	104420	1.00	8.0	12.5	
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BEND TEST:

# 5	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

