

Test Performed by: Dr.S. Asad Ali Gillani

Hamid Ur Rehman

Material Engineer

NESPAK Rawalpindi. (Development of DHA-AWT Land Adyala) (M/S UEPL Pvt.Ltd)

Client Reference No.:4592/103/ DHA-AWT/FM/102/4 Dated: 09-07-2024

SOM Lab Ref: CED/SOM/257(P-1/1)

Dated: 22-11-2024

Test Type: Flexural Strength & Crushing Strength Test **Standard:** ASTM-C-875 - 98

Sample Type: Asbestos Pipes (6 Inches)

Brand: Deluxe Chrysotile

Flexural Load Results

Sample No.	Diameter (mm)		Thickness (mm)	Length of the Tested Sample (unsupported span) (mm)	Flexural Load (kN)
	Outer	Inner			
1	170.0	149.0	10.5	1372	6.07

Crushing Load Results

Sample No.	Diameter (mm)		Thickness (mm)	Length of the Tested Sample (cm)	Crushing Load (kN)
	Outer	Inner			
1	170.0	149.0	10.5	30.0	2.25

M.Nadeem Zafarullah

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Incharge for MD SNGPL.(Const Of Boundary Wall at K-3 Choukiwala Near Tounsa)

Client Reference: CC/B.W/K-3/05

SOM Lab

Ref:

253 (Page-1/1)

Dated: 22-11-2024

Dated:

22-11-2024

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	1.480	6	0.744	0.44	0.435	14.53	18.71	72810	73650	93760	94840	1.40	8.0	17.5	
2	1.477	6	0.743	0.44	0.434	14.27	18.73	71540	72520	93860	95160	1.30	8.0	16.3	
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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

Allied Bank

Test Performed By: Dr. /Engr. Rizwan Riaz

Head Const. Site ABL-UML P-199&200.(Const Of ABL Upper Mall Lahore Plot No 199,200)

Client Reference: ABL-UML-AMC-QAQC-98

SOM Lab

Ref: 254 (Page-1/1)

Dated: 22-11-2024

Dated: 22-11-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (FF 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	2.623	8	0.991	0.79	0.771	26.76	34.42	74700	76550	96100	98470	1.50	8.0	18.8	
2	2.617	8	0.990	0.79	0.769	25.91	33.66	72340	74320	93970	96540	1.40	8.0	17.5	
3	1.501	6	0.749	0.44	0.441	14.50	19.27	72660	72490	96570	96350	1.40	8.0	17.5	
4	1.494	6	0.748	0.44	0.439	14.04	18.76	70360	70520	94020	94230	1.30	8.0	16.3	
5	1.025	5	0.619	0.31	0.301	10.24	14.12	72890	75070	100440	103450	1.30	8.0	16.3	
6	1.021	5	0.618	0.31	0.300	10.37	14.27	73760	76220	101530	104920	1.20	8.0	15.0	
7	0.659	4	0.497	0.20	0.194	6.70	8.87	73850	76140	97800	100820	1.10	8.0	13.8	
8	0.656	4	0.496	0.20	0.193	6.57	8.74	72510	75140	96340	99830	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

Rashid Kamran, RE

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

NESPAK Lhr.(Development of Infrastructure Works in Newly Cleared Areas of LDA Avenue-1,Pkg-4)

Client Reference: 2599/13/RK/05/P-4/291

SOM Lab

Ref: 255 (Page-1/1)

Dated: 18-11-2024

Dated: 22-11-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (ZSR 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	0.690	4	0.508	0.20	0.203	6.14	9.50	67670	66670	104770	103220	1.20	8.0	15.0	
2	0.686	4	0.507	0.20	0.202	6.09	9.17	67110	66450	101170	100170	1.40	8.0	17.5	
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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

Engineer Muhammad Irfan

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Dy Dir Infra. DHA Gujranwala.(Const Of Box Culvert at Sangowali Drain)

Client Reference: 111/DD/Lab/TTC/BC/02

SOM Lab

Ref: 256 (Page-1/1)

Dated: 20-11-2024

Dated: 22-10-2024

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	1.062	5	0.630	0.31	0.312	9.55	14.93	67960	67520	106250	105560	1.50	8.0	18.8	
2	1.056	5	0.628	0.31	0.310	9.38	14.53	66720	66720	103340	103340	1.40	8.0	17.5	
3	0.672	4	0.501	0.20	0.197	6.49	9.91	71610	72700	109260	110930	1.20	8.0	15.0	
4	0.659	4	0.497	0.20	0.194	6.07	9.45	66890	68950	104200	107430	1.30	8.0	16.3	
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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

Engr.M.Aamir Saeed

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Snr PM IDAP Lahore.(Project Site MIR # CCECC&SE/NSICTR/PKG-A/CIVIL/MIR/001)

Client Reference: PD(NSICTR)/PACKAGE-A/2024/20773

SOM Lab

Ref:

258 (Page-1/1)

Dated: 21-11-2024

Dated:

22-11-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kamran 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	1.502	6	0.749	0.44	0.441	12.95	18.62	64890	64750	93350	93140	1.20	8.0	15.0	H # 4990
2	1.500	6	0.749	0.44	0.441	14.88	19.90	74600	74430	99740	99510	1.30	8.0	16.3	H # 4990
3	0.667	4	0.500	0.20	0.196	6.78	8.82	74750	76280	97230	99220	1.40	8.0	17.5	H # 4993
4	0.666	4	0.500	0.20	0.196	6.83	9.23	75320	76850	101730	103810	1.30	8.0	16.3	H # 4993
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BEND TEST:

# 6	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