

Test Performed by: Dr.S. Asad Ali Gillani

Atif Mughal
Manager Material (Engr)
Central Lab DHA Islamabad- Rawalpindi

Client Reference No.: DHAI-R/Cen Lab/Ph-I/58

Dated: 07-11-2024

SOM Lab Ref: CED/SOM/177 (P-1/1)

Dated: 08-11-2024

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

Sample Type: Asbestos Pipes (size 6")

Flexural Load Results

Sample No.	Diameter (mm)		Thickness (mm)	Length of the Tested Sample (unsupported span) (mm)	Flexural Load (kN)	Marks
	Outer	Inner				
1	168.0	152.0	8.0	1372	3.90	Deluxe Chrysotile
2	168.0	151.0	8.5	1372	4.95	WE Infratech

Crushing Load Results

Sample No.	Diameter (mm)		Thickness (mm)	Length of the Tested Sample (mm)	Crushing Load (kN)	Marks
	Outer	Inner				
1	167.0	150.2	8.4	300	1.75	Deluxe Chrysotile
2	168.0	151.0	8.5	300	2.20	WE Infratech

Li Wentao

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

CCECC-HCS JV.(Expansion of Terminal Building and Allied Facilities at AllAP, Lahore)

Client Reference: CCECCHCSJVIIAP2024-366

SOM Lab

Ref: 176 (Page-1/2)

Dated: 05-11-2024

Dated: 08-11-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Markhor 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	1.451	6	0.736	0.44	0.426	13.99	19.80	70100	72410	99230	102490	1.10	8.0	13.8	H# 366
2	1.447	6	0.736	0.44	0.425	13.76	19.64	68980	71410	98460	101940	1.20	8.0	15.0	H# 366
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Li Wentao

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

CCECC-HCS JV.(Expansion of Terminal Building and Allied Facilities at AllAP, Lahore)

Client Reference: CCECCHCSJVIIAP2024-341

SOM Lab

Ref:

176 (Page-2/2)

Dated: 29-10-2024

Dated:

08-11-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Markhor 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	1.450	6	0.736	0.44	0.426	13.35	19.88	66940	69140	99640	102910	1.20	8.0	15.0	H# 341
2	1.445	6	0.736	0.44	0.425	13.46	20.10	67450	69830	100760	104320	1.20	8.0	15.0	H# 341
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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