Test Performed by: Dr.S. Asad Ali Gillani

Atif Mughal
Manager Material (Engr)
Central Lab DHA Islamabad- Rawalpindi
(Project: Elec Duct)

Client Reference No.: DHAI-R/Cen Lab/Ph-I/58 Dated: Dec-2024

SOM Lab Ref: CED/SOM/569 (P-1/1) Dated: 14-01-2025

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

Sample Type: Asbestos Pipes (size 6") Deluxe Chrysolite (Yaseen Engineering)

Flexural Load Results

Sample No.	Diameter (mm)		Thickness (mm)	Length of the Tested Sample (unsupported span) (mm)	Flexural Load (kN)
	Outer	Inner			
1	174.0	154.0	10.0	1372	7.62

Crushing Load Results

Sample No.	Diameter (mm)		Thickness (mm)	Length of the Tested Sample (mm)	Crushing Load (kN)
	Outer	Inner			
1	174.0	154.1	9.95	300	2.92

Test Performed by: Dr.S. Asad Ali Gillani

Atif Mughal
Manager Material (Engr)
Central Lab DHA Islamabad- Rawalpindi
(Project: Elec Duct)

Client Reference No.: DHA/Adyala Lab/Phase-IV/ Dated: 20-10-2024

SOM Lab Ref: CED/SOM/570 (P-1/1) Dated: 14-01-2025

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

Sample Type: Asbestos Pipes (size 6") Deluxe Chrysolite (Mohmand Devolper)

Flexural Load Results

Sample No.	Diameter (mm)		Thickness (mm)	Length of the Tested Sample (unsupported span) (mm)	Flexural Load (kN)
	Outer	Inner			
1	175.0	155.0	10.0	1372	6.05

Crushing Load Results

Sample No.	Diameter (mm)		Thickness (mm)	Length of the Tested Sample (mm)	Crushing Load (kN)
	Outer	Inner			
1	175.0	155.0	10.0	300	2.45

Test Performed by: S. Asad Ali Gillani

Mukhtar Ahmad
General Manager Engineering
Crescent Steel and Allied Products Ltd.(Shakarganj Engineering Faisalabad)

Client Reference No.: CSSE/FSD/2297 Dated: 14-01-2025

SOM Lab Ref: CED/SOM/574 (Page 1/1) Dated: 14-01-2025

Test Type: Load Test **Sample Type:** Bolts with Nuts (14x80mm)

Load Test Results

Sample No.	Sample Type	Proof Load (kN)	Remarks
1	Bolts with Nuts	70 kN	Sample remains satisfied at this load
2	Bolts with Nuts		Sample remains satisfied at this load
3	Bolts with Nuts		Sample remains satisfied at this load
4	Bolts with Nuts		Sample remains satisfied at this load
5	Bolts with Nuts		Sample remains satisfied at this load
6	Bolts with Nuts		Sample remains satisfied at this load
7	Bolts with Nuts		Sample remains satisfied at this load
8	Bolts with Nuts		Sample remains satisfied at this load
9	Bolts with Nuts		Sample remains satisfied at this load
10	Bolts with Nuts		Sample remains satisfied at this load
11	Bolts with Nuts		Sample remains satisfied at this load
12	Bolts with Nuts		Sample remains satisfied at this load
13	Bolts with Nuts		Sample remains satisfied at this load
14	Bolts with Nuts		Sample remains satisfied at this load
15	Bolts with Nuts		Sample remains satisfied at this load
16	Bolts with Nuts		Sample remains satisfied at this load
17	Bolts with Nuts		Sample remains satisfied at this load
18	Bolts with Nuts		Sample remains satisfied at this load
19	Bolts with Nuts		Sample remains satisfied at this load
20	Bolts with Nuts		Sample remains satisfied at this load

Test Performed by: .S. Asad Ali Gillani

Mukhtar Ahmad
General Manager Engineering
Crescent Steel and Allied Products Ltd.(Shakarganj Engineering Faisalabad)

Client Reference No.: CSSE/FSD/2297 Dated: 14-01-2025

SOM Lab Ref: CED/SOM/574 (Page 2/2) Dated: 14-01-2025

Test Type: Load Test **Sample Type:** Bolts with Nuts (14x80mm)

Load Test Results

Sr No.	Sample Type	Proof Load (kN)	Remarks
11	Bolts with Nuts	70	Sample remains satisfied at this load
12	Bolts with Nuts	70	Sample remains satisfied at this load
13	Bolts with Nuts	70	Sample remains satisfied at this load
14	Bolts with Nuts	70	Sample remains satisfied at this load
15	Bolts with Nuts	70	Sample remains satisfied at this load
16	Bolts with Nuts	70	Sample remains satisfied at this load
17	Bolts with Nuts	70	Sample remains satisfied at this load
18	Bolts with Nuts	70	Sample remains satisfied at this load
19	Bolts with Nuts	70	Sample remains satisfied at this load
20	Bolts with Nuts	70	Sample remains satisfied at this load

Amir Haider,DY Dir (Mint) **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

NHA, Sahiwal.(Mcdonalds Chowk,Royal/KFC Chowk Sahiwal Including Widening of Canal Bridge)

Client Reference: DD9Mint)/SWL/PS/NHA/2025/43 **SOM Lab Ref:** 579 (Page-1/1)

Dated: 09-01-2025 **Dated:** 14-01-2025

Test: Tension Test **Test Specification:** ASTM-A-615

Guage Length: 200 mm **Sample Type:** MS Def 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)				
	kg/m	mm	mm	mm^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.890	25	25.13	491	496	216.00	348.70	440	436	710	704	32.5	200	16.3	
2	3.893	25	25.13	491	496	214.00	344.70	436	432	702	696	35.0	200	17.5	
3	2.439	20	19.89	314	311	138.00	216.00	439	445	688	696	35.0	200	17.5	
4	2.441	20	19.90	314	311	136.00	215.00	433	438	685	692	32.5	200	16.3	
5	1.592	16	16.07	201	203	94.20	138.50	469	465	689	684	30.0	200	15.0	
6	1.593	16	16.08	201	203	92.00	137.20	458	454	683	676	32.5	200	16.3	
7	0.890	12	12.02	113	113	52.50	80.20	465	463	710	708	27.5	200	13.8	
8	0.897	12	12.06	113	114	52.70	80.20	466	462	710	703	25.0	200	12.5	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack
20mm	Sample bend through 180 degrees Satisfactorily without any crack
16mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Twelve Samples Received and Tested

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

Waqas Ahmed Ghumman,PM **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A, Gulberg II Lahore)

Client Reference: QC/HQ/CIVIL/256 **Dated:** 13-01-2025

SOM Lab Ref: CED/SOM/575 (Page-1/1) **Dated:** 14-01-2025

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	2.245	20	19.08	314	286	135.70	192.50	432	475	613	674	32.5	200	16.3	
2	2.243	20	19.07	314	286	136.00	193.50	433	476	616	678	32.5	200	16.3	
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BEND TEST:

20mm	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

Jawad Qayyum Khan,RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

NESPAK Sargodha.(Dualization of Sargodha Khushab Mianwali Road , Group-III)

Client Reference: RE/4376-E/JQK/4c/531 **SOM Lab Ref:** 571 (Page-1/1)

Dated: 31-12-2024 **Dated:** 14-01-2025

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Hunza 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	2.699	8	1.005	0.79	0.793	25.48	35.42	71150	70880	98890	98520	1.50	8.0	18.8	
2	2.705	8	1.006	0.79	0.795	25.54	35.29	71290	70840	98520	97900	1.50	8.0	18.8	
3	1.509	6	0.751	0.44	0.443	15.21	20.29	76240	75720	101680	100990	1.50	8.0	18.8	
4	1.501	6	0.749	0.44	0.441	15.01	19.88	75210	75040	99640	99410	1.30	8.0	16.3	
5	1.045	5	0.625	0.31	0.307	10.35	13.71	73610	74330	97540	98500	1.20	8.0	15.0	
6	1.039	5	0.623	0.31	0.305	9.02	12.95	64180	65240	92100	93610	1.10	8.0	13.8	
7	0.667	4	0.500	0.20	0.196	6.63	8.94	73070	74560	98580	100600	1.10	8.0	13.8	
8	0.666	4	0.500	0.20	0.196	6.57	8.94	72510	73990	98580	100600	1.00	8.0	12.5	
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BEND TEST:

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

Only Twelve Samples Received and Tested

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

Ravi Construction Company **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
Lahore.((Project: RePETify Plant at Novatex Limited)

Client Reference: UET/RCC/011/25 **SOM Lab Ref:** 572 (Page-1/1)
Dated: 13-01-2025 **Dated:** 14-01-2025
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	2.589	8	0.984	0.79	0.761	23.16	33.66	64660	67120	93970	97550	1.50	8.0	18.8	
2	2.585	8	0.984	0.79	0.760	22.88	33.46	63890	66410	93400	97090	1.50	8.0	18.8	
3	1.512	6	0.752	0.44	0.444	14.78	19.72	74090	73420	98870	97980	1.40	8.0	17.5	
4	1.507	6	0.751	0.44	0.443	14.19	19.52	71130	70640	97850	97190	1.50	8.0	18.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Muhammad Saud Barakzai **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Nespak Lahore..(Expension of Terminal Building and Allied Facilities at AIIAP, Lahore)

Client Reference: 3043/50Q/MSB/108/647 **SOM Lab Ref:** 573 (Page-1/1)

Dated: 13-01-2025 **Dated:** 14-01-2025

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	0.677	4	0.503	0.20	0.199	6.60	8.99	72730	73100	99150	99640	1.10	8.0	13.8	
2	0.674	4	0.502	0.20	0.198	6.78	9.12	74750	75510	100610	101620	1.20	8.0	15.0	
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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

Etimaad Property Network
Lahore.(Rise Mall & Residencia)

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

Client Reference: Nil
Dated: 14-01-2025

SOM Lab Ref: 576 (Page-1/1)
Dated: 14-01-2025

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
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	2.695	8	1.004	0.79	0.792	24.87	34.76	69440	69260	97040	96800	1.30	8.0	16.3	
2	1.476	6	0.743	0.44	0.434	13.91	18.93	69750	70710	94880	96200	1.20	8.0	15.0	
3	0.667	4	0.500	0.20	0.196	6.42	8.48	70820	72270	93530	95430	1.00	8.0	12.5	
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BEND TEST:

--	No Bend test performed

Note:-

Only Three Samples Received and Tested

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

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

M.S Shoukat Iqbal Mir & Co..(DCI C Type NUST University Islamabad)

Client Reference: Nil **SOM Lab Ref:** 580 (Page-1/1)

Dated: 13-01-2025 **Dated:** 14-01-2025

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Aziz 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	1.518	6	0.754	0.44	0.446	13.83	21.30	69340	68410	106790	105350	1.10	8.0	13.8	
2	1.512	6	0.752	0.44	0.444	13.66	21.33	68470	67850	106890	105930	1.00	8.0	12.5	
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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