

Test Performed by: Dr.S. Asad Ali Gillani

Fazeel Mehmood
Resident Engineer

NESPAK Rawalpindi. (Development of DHA-AWT Land Adyala)

Client Reference No.:4592/103/ DHA-AWT/FM/102/24

Dated: 24-05-2024

SOM Lab Ref: CED/SOM/4635 (P-1/1)

Dated: 15-08-2024

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

Sample Type: Asbestos Pipes (6 Inches)

Brand: WE-INFRATECH

Flexural Load Results

Sample No.	Diameter (mm)		Thickness (mm)	Length of the Tested Sample (unsupported span) (mm)	Flexural Load (kN)
	Outer	Inner			
1	165	149.0	8.0	1372	5.93

Crushing Load Results

Sample No.	Diameter (mm)		Thickness (mm)	Length of the Tested Sample (cm)	Crushing Load (kN)
	Outer	Inner			
1	170.0	151.8	9.1	30.0	2.62

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

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

Client Reference: QC/HQ/CIVIL/228
SOM Lab Ref: CED/SOM/4632 (Page-1/1)

Dated: 15-08-2024
Dated: 15-08-2024

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	2.482	20	20.06	314	316	165.70	222.00	527	525	707	703	27.5	200	13.8	
2	2.416	20	19.80	314	308	151.70	209.20	483	493	666	680	30.0	200	15.0	
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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

ARG Construction (SMS-Pvt) Ltd. Distt Sahiwal. (Const Of P5 Warehouse Building, Phillipe Morris Qadirabad)

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

Client Reference: 87

SOM Lab

Ref: 4629 (Page-1/1)

Dated: 10-08-2024

Dated: 15-08-2024

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	2.647	8	0.995	0.79	0.778	22.83	35.98	63750	64730	100460	102010	1.20	8.0	15.0	
2	1.525	6	0.755	0.44	0.448	15.19	20.54	76130	74770	102960	101120	1.30	8.0	16.3	
3	0.673	4	0.502	0.20	0.198	6.52	8.79	71940	72670	96900	97880	1.10	8.0	13.8	
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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

Engineer Muhammad Irfan
Dy Dir Infra. DHA Gujranwala.(Sector L)

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

Client Reference: 111/DD/Lab/L/1200

SOM Lab

Ref: 4630 (Page-1/1)

Dated: 13-08-2024

Dated: 15-08-2024

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	1.500	6	0.749	0.44	0.441	15.49	19.37	77670	77490	97080	96860	1.40	8.0	17.5	L5
2	1.478	6	0.743	0.44	0.434	14.65	18.73	73430	74440	93860	95160	1.50	8.0	18.8	L5
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Witnessed By: Farooq E Azam(LT,DHAG)

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

Engineer Muhammad Irfan
Dy Dir Infra. DHA Gujranwala.(Sector L)

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

Client Reference: 111/DD/Lab/L/1194

SOM Lab

Ref: 4631 (Page-1/1)

Dated: 12-08-2024

Dated: 15-08-2024

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	1.538	6	0.759	0.44	0.452	17.02	20.64	85330	83060	103470	100720	1.30	8.0	16.3	
2	1.455	6	0.738	0.44	0.428	14.58	18.65	73070	75120	93510	96130	1.40	8.0	17.5	
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Witnessed By: Farooq E Azam(LT,DHAG)

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

Adnan Yasir, ARE
MMP Pkg-03 (PCP) Gojra.(Const Of Waste Water Treatment Plant Gojra City)

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

Client Reference: MMP/1095/Gojra/SEW/54/2024

SOM Lab

Ref: 4633 (Page-1/1)

Dated: 08-08-2024

Dated: 15-08-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Supreme 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	0.638	4	0.488	0.20	0.187	5.10	7.46	56210	60110	82290	88010	1.00	8.0	12.5	
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BEND TEST:

# 4	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

Muhammad Abdul Sattar Jalbani

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

ME Nespak, Taunsa. (Punjab Rural Municipal Services Company PRSWSSP Tehsil Taunsa Pkg -I)

Client Reference: NESPAK/PRSWSSP/TAUNSA/ME/329

SOM Lab

Ref: 4634 (Page-1/1)

Dated: 10-08-2024

Dated: 15-08-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (F.F

Gauge Length: 8 inch

Sample Type:

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	2.618	8	0.990	0.79	0.769	25.48	34.35	71150	73090	95900	98520	1.40	8.0	17.5	
2	2.619	8	0.990	0.79	0.770	25.40	34.25	70920	72760	95620	98100	1.20	8.0	15.0	
3	1.488	6	0.746	0.44	0.437	14.73	19.54	73830	74340	97950	98620	1.20	8.0	15.0	
4	1.510	6	0.752	0.44	0.444	15.29	19.95	76640	75950	99990	99090	1.30	8.0	16.3	
5	0.665	4	0.498	0.20	0.195	6.09	7.90	67110	68830	87120	89350	1.00	8.0	12.5	
6	0.669	4	0.501	0.20	0.197	6.17	8.07	68010	69050	89030	90390	1.20	8.0	15.0	
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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

