

Minhaj Khizar
Style Textile (Project: Style Managa)

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

Client Reference: 1903/04/2021
SOM Lab Ref: CED/SOM/4258(Page-1/1)
Test: Tension Test & Bend Test
Sample Type: M S Deformed Bar

Dated: 27-04-2021
Dated: 27-04-2021
Test Specification: ASTM-A 615
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	3.796	25	24.82	491	484	288.50	355.50	588	597	724	735	27.5	200	13.8	
2	3.779	25	24.76	491	481	286.00	354.20	583	595	722	736	30.0	200	15.0	
3	2.442	20	19.90	314	311	182.70	249.70	582	588	795	803	27.5	200	13.8	
4	2.432	20	19.86	314	310	187.50	251.50	597	606	801	812	25.0	200	12.5	
5	1.598	16	16.10	201	204	116.50	145.50	579	573	724	715	27.5	200	13.8	
6	1.588	16	16.05	201	202	114.50	144.20	569	566	717	713	30.0	200	15.0	
7	0.941	12	12.35	113	120	59.70	78.20	528	499	691	653	22.5	200	11.3	
8	0.941	12	12.36	113	120	60.70	79.00	537	507	699	659	22.5	200	11.3	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
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: Please always confirm the results of above report on web www.uet-civil.edu.pk

Syed Yasir Ali

Test Performed By:

Dr. /Engr. Qasim Shaukat

Resident Engineer, NESPAK, (Pvt) Ltd.(Establishment of U.E.T. Lahore Sub Campus at Narowal)

Client Reference: 3863/13/SYA/Labtesting/350

SOM Lab 4255(Page-

Ref: 1/1)

Dated: 24-04-2021

Dated: 27-04-2021

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	1.494	6	0.748	0.44	0.439	13.78	19.83	69080	69240	99380	99610	1.20	8.0	15.0	
2	1.511	6	0.752	0.44	0.444	14.78	20.69	74090	73420	103720	102790	1.20	8.0	15.0	
3	0.645	4	0.492	0.20	0.190	5.86	8.92	64640	68040	98360	103540	1.10	8.0	13.8	
4	0.651	4	0.493	0.20	0.191	6.01	9.09	66320	69450	100270	104990	1.10	8.0	13.8	
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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

Mughal Iron And Steel Industries Ltd.

316-A, Shadman - 1, Lahore (Client: CDS Navy Karachi)

Test Performed By:

Dr. /Engr. Qasim Shaukat

Client Reference: nil

Dated: 27-04-2021

Test: Tension Test & bend Test

Guage Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref:

Dated:

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27-04-2021

ASTM- A-615

Deformed Bar (Mughal 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	1.066	5	0.631	0.31	0.313	10.70	14.58	76150	75420	103710	102710	1.30	8.0	16.3	
2	1.056	5	0.628	0.31	0.310	10.47	14.58	74480	74480	103710	103710	1.20	8.0	15.0	
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BEND TEST:

# 5	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

Test Performed by: Dr. Asad Ali Gillani

General Manager
United Wire Products Co.
G. T. Road Salamatpura Bus Stop.Lahore

Client Reference No.: Nil

Dated: 26-04-2021

SOM Lab Ref: CED/SOM/4254 (Page 1/1)

Dated: 27-04-2021

Test Type: Tensile Test

Sample Type: Hot Dip Wire (SWG-16)

Tensile Test Results

Sample No.	Sample Type	Sample Dia (mm)	Ultimate Load (kN)	Ultimate Tensile Strength (MPa)	Ultimate Tensile Stress (ksi)
1	Hot Dip Wire SWG-16	1.6	0.9	447.6	64.948

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

Test Performed By: Dr S. Asad Ali Gillani

Azhar Raza
Officer Construction –S-II
Allied Bank Engineering Cell, Multan)
Construction of ABL Masoom Shah Branch, Multan (0505)

Client Reference: nil

Dated 26-04-2021

SOM Laboratory Reference: CED/SOM/4259(Page-1/1)

Dated 27-04-2021

Test: Tensile Strength Test , Elongation & Tear Resistance Test , Water Absorption

Sample Type: 4mm HY – GRIP Modified Bitumen Membrane Sheet

TENSILE STRENGTH AND ELONGATION TEST. (AS PER ASTM-D-412)

S. No	Sample Size (mm)	Ultimate Load (kN)	Tensile Strength (N/mm ²)	% Elongation Longitudinal
1	23.0 x 4.0	0.40	4.347	75.0

TEAR STRENGTH (AS PER ASTM-D-624)

S. No	Sample Size (mm)	Ultimate Load (kN)	Tear Strength (N/mm)
1	19.5 x 4.0	0.32	80.0

Water Absorption (ASTM-D-2240)

S. No	Sample Type	Remarks
1	HY – GRIP Modified Bitumen Membrane Sheet	No absorption

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

