

Arfan Nazir, Manager Civil

Test Performed By:

Dr. /Engr.

Nauman Khurram

Nishat Linen (Pvt) Ltd.(Const Of Nishat Linen Fabric Godown Extension)

Client Reference: NL/ST/002

SOM Lab Ref:

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Dated: 13-11-2024

Dated:

13-11-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

Sample Type:

MS Def Bar (Moiz 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.452	20	19.93	314	312	146.50	203.50	467	470	648	653	35.0	200	17.5	
2	2.459	20	19.97	314	313	149.00	206.50	475	476	658	660	37.5	200	18.8	
3	1.547	16	15.84	201	197	98.50	130.70	490	500	650	664	37.5	200	18.8	
4	1.546	16	15.83	201	197	98.00	130.70	488	498	650	664	35.0	200	17.5	
5	0.874	12	11.90	113	111	50.20	74.20	444	452	657	667	25.0	200	12.5	
6	0.872	12	11.89	113	111	50.50	73.70	447	455	652	664	27.5	200	13.8	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
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

Sub Divisional officer,

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

BSD Chiniot.(Revamping Of 552 BHU's of North and Central Punjab of Distt Chiniot)

Client Reference: 107/CT

SOM Lab

Ref:

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Dated: 26-09-2024

Dated:

13-11-2024

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	0.668	4	0.500	0.20	0.196	6.09	8.33	67110	68480	91840	93710	1.10	8.0	13.8	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Abdul Rehman

Test Performed By:

Dr. /Engr.

Wasim Abbas

PM Nine Arches Lahore.(103 E1 Liberty Chowk Gulberg 2 Lahore)

Client Reference: Nil

SOM Lab

Ref:

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Dated: 13-11-2024

Dated:

13-11-2024

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	2.643	8	0.995	0.79	0.777	24.23	34.07	67650	68780	95110	96700	1.60	8.0	20.0	
2	2.643	8	0.995	0.79	0.777	23.50	33.30	65600	66700	92970	94530	1.50	8.0	18.8	
3	1.492	6	0.747	0.44	0.438	12.84	18.88	64380	64680	94630	95060	1.50	8.0	18.8	
4	1.469	6	0.742	0.44	0.432	12.33	18.20	61830	62970	91210	92890	1.60	8.0	20.0	
5	0.670	4	0.501	0.20	0.197	6.14	8.51	67670	68700	93860	95290	1.10	8.0	13.8	
6	0.667	4	0.500	0.20	0.196	6.22	8.56	68570	69970	94420	96350	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