

Engr. Muhammad Akbar
CEO, NAM Associates Lahore (MCB Bhimber Road, Gujrat)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: NAM -420/07

SOM Lab

Ref: 866(Page-1/1)

Dated: 21-05-2019

Dated: 22-05-2019

Test: Tension 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	2.666	8	0.998	0.79	0.783	23.96	35.65	66880	67480	99520	100410	1.30	8.0	16.3	
2	2.664	8	0.998	0.79	0.783	24.18	35.78	67500	68110	99890	100780	1.50	8.0	18.8	
3	1.455	6	0.738	0.44	0.428	14.83	20.51	74350	76430	102800	105690	1.10	8.0	13.8	
4	1.462	6	0.740	0.44	0.430	15.01	20.69	75210	76960	103720	106140	1.30	8.0	16.3	
5	0.652	4	0.494	0.20	0.192	5.58	8.43	61490	64050	92960	96840	1.40	8.0	17.5	
6	0.649	4	0.493	0.20	0.191	5.52	8.41	60930	63800	92740	97110	1.50	8.0	18.8	
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BEND TEST:

--	No Bend test performed	Note:- Only Six Samples Received and Tested

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

Hassan Danial
At Large Construction, Lahore

Test Performed By: Dr. /Engr. M Rizwan Azam

Client Reference: nil

SOM Lab

Ref: 867(Page-1/1)

Dated: 22-05-2019

Dated: 22-05-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	0.650	4	0.493	0.20	0.191	7.97	9.63	87910	92050	106230	111230	1.00	8.0	12.5	
2	0.654	4	0.494	0.20	0.192	7.80	9.55	85990	89580	105330	109720	1.10	8.0	13.8	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four 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

Hafiz Muhammad Wasif Iqbal
 Project Manager - Civil, Kohinoor Textile Mills (Pvt)m Ltd. Lahore

Test Performed By: Dr. /Engr. M Rizwan Azam

Client Reference: Nil

SOM Lab

Ref: 869(Page-1/1)

Dated: 22-05-2019

Dated: 22-05-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	2.600	8	0.986	0.79	0.764	25.48	34.61	71150	73570	96620	99900	1.30	8.0	16.3	
2	2.610	8	0.988	0.79	0.767	24.87	33.97	69440	71520	94820	97670	1.40	8.0	17.5	
3	1.622	6	0.779	0.44	0.477	14.98	21.22	75110	69290	106380	98130	1.40	8.0	17.5	
4	1.624	6	0.779	0.44	0.477	15.04	21.22	75370	69520	106380	98130	1.70	8.0	21.3	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 6	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

Arch. Kalim A. Siddiqui
Chief Executive, K S & Associates, Lahore

Test Performed By: Dr. /Engr. M Rizwan Azam

Client Reference: KSA/MCB-MZFG/18/MY-40

SOM Lab

Ref: 870(Page-1/1)

Dated: 22-05-2019

Dated: 22-05-2019

Test: Tension Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	0.659	4	0.497	0.20	0.194	7.08	8.66	78130	80540	95550	98500	1.20	8.0	15.0	
2	0.655	4	0.494	0.20	0.192	6.90	8.48	76100	79270	93530	97420	1.10	8.0	13.8	
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BEND TEST:

--	No Bend test performed	Note:- Only Two Samples Received and Tested

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

Afzaal Aslam
AVP Sales, Moiz Steel, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: nil

SOM Lab

Ref: 871(Page-1/1)

Dated: 22-05-2019

Dated: 22-05-2019

Test: Tension 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	0.663	4	0.498	0.20	0.195	5.86	8.77	64640	66290	96670	99150	1.20	8.0	15.0	
2	0.660	4	0.497	0.20	0.194	5.71	8.74	62950	64900	96340	99310	1.20	8.0	15.0	
3	0.659	4	0.497	0.20	0.194	5.73	8.77	63180	65130	96670	99660	1.30	8.0	16.3	
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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