

SUNRAYS TEXTILE MILLS Ltd.
Admin Manager, Sunrays Testile Multan.

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab Ref: CED/SOM/697

Dated: 28-07-2022

Dated: 01-08-2022

Test: Tension Test

Test Specification: ASTM-A-615

Guage Length: 200 mm

Sample Type: MS Deformed Bar (Naveena)

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	3.803	25	24.82	491	484	240.20	305.50	489	497	622	632	37.5	200	18.8	
2	3.794	25	24.81	491	483	248.50	311.70	506	515	635	646	32.5	200	16.3	
3	2.430	20	19.85	314	310	152.70	203.00	486	494	646	656	25.0	200	12.5	
4	2.433	20	19.86	314	310	152.20	203.00	485	492	646	656	30.0	200	15.0	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eight Samples Received and Tested
25mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	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

Engr. Zaheer Ud Din Babar

Test Performed By:

Dr. /Engr.

Nauman Khurram

Dy. General Manager Projects.HRL Engineering (Pvt.) Ltd.(Const Of sky Gardens Tower,Lahore)

Client Reference: HRLE/SKG/2022/057/021/RETEST

SOM Lab Ref:

CED/SOM/699

Dated: 01-08-2022

Dated:

01-08-2022

Test: Tension Test

Test Specification:

ASTM-A-615

MS Deformed Bar (AFCO

Guage Length: 200 mm

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)					
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%		
1	3.932	25	25.26	491	501	203.50	324.70	414	407	661	649	37.5	200	18.8		
2	3.811	25	24.86	491	486	204.70	326.70	417	422	665	673	40.0	200	20.0		
3	3.711	25	24.54	491	473	206.00	336.00	420	436	684	711	32.5	200	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

Babar Ali

Test Performed By: Dr. /Engr. Nauman Khurram

CM Guarantee Engineers (Pvt.) Ltd .(Const Of Beaconhouse School System TNS 2.0 Lahore)

Client Reference: TNS/GE/ST/015

SOM Lab Ref: CED/SOM/702

Dated: 01-08-2022

Dated: 01-08-2022

Test: Tension Test

Test Specification: ASTM-A-615

Guage Length: 200 mm

Sample Type: MS 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.910	25	25.18	491	498	234.70	312.20	478	472	636	627	32.5	200	16.3	
2	3.816	25	24.88	491	486	242.50	324.20	494	499	660	667	32.5	200	16.3	
3	1.058	12	13.10	113	135	65.70	83.20	581	488	736	618	30.0	200	15.0	
4	1.005	12	12.77	113	128	67.80	86.50	600	530	765	676	27.5	200	13.8	
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Witnessed By: Tanveer Ahmad

BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
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

Engr. Zahid Abbas

Test Performed By:

Dr. /Engr. Waseem Abbas

CM Zameen Quadrangle.(Const. Of Zameen Quadrangle at Plot No.49,Gulberg-V Lahore)

Client Reference: ZD/ZQ/GSW/026

SOM Lab

Ref: 700 (Page-1/1)

Dated: 01-08-2022

Dated: 01-08-2022

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	1.527	6	0.756	0.44	0.449	13.58	18.62	68060	66700	93350	91480	1.10	8.0	13.8	
2	1.460	6	0.739	0.44	0.429	13.22	17.76	66270	67970	89010	91290	1.20	8.0	15.0	
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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

