

M. Muneeb

Test Performed By: Dr. /Engr. Irfan UI Hasan

Planning & Coordination Engr. REDO Engg & Construction Pvt.Ltd. Lahore.(Starch Pack Pvt.Ltd)

Client Reference: Nil

Dated: 27-05-2022

SOM Lab Ref: CED/SOM/386(Page-1/1)

Dated: 27-05-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	3.887	25	25.11	491	495	265.00	335.50	540	536	683	678	32.5	200	16.3	
2	3.884	25	25.10	491	495	265.70	336.20	541	537	685	680	35.0	200	17.5	
3	2.265	20	19.17	314	289	158.70	197.20	505	551	628	684	30.0	200	15.0	
4	2.265	20	19.17	314	289	154.00	187.50	490	534	597	650	32.5	200	16.3	
5	1.567	16	15.94	201	200	108.70	139.00	541	545	691	697	27.5	200	13.8	
6	1.577	16	15.99	201	201	108.20	139.00	538	539	691	692	30.0	200	15.0	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	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

Khalid Bashir

Test Performed By:

Dr. /Engr.

Irfan UI Hasan

Ittfaq Building Solution (Pvt)Ltd.(Kohinoor Textile Mill Raiwind,(Weaving Unit Extension & Yarn Storage))

Client Reference: IBS/KTML/ST 10

Dated: 27-05-2022

SOM Lab Ref: CED/SOM/385(Page-1/1)

Dated: 27-05-2022

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	2.374	20	19.61	314	302	132.50	199.00	422	439	633	659	35.0	200	17.5	
2	2.390	20	19.69	314	305	144.20	198.00	459	474	630	651	32.5	200	16.3	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Three Samples Received and Tested</p>

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

Abdul Haq
P.D (South-3) SWP WASO-PAEC,D.G.Khan.

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: SWP/W(2471)/2021,SWP/W(2466)/2021
Dated: 25-05-2022
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 382 (Page-1/1)
Dated: 27-05-2022
ASTM-A-615
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	1.500	6	0.749	0.44	0.441	14.50	19.98	72660	72490	100150	99920	1.00	8.0	12.5	
2	1.493	6	0.748	0.44	0.439	14.48	19.93	72560	72720	99890	100120	1.00	8.0	12.5	
3	0.665	4	0.498	0.20	0.195	6.07	8.58	66890	68600	94650	97080	1.20	8.0	15.0	
4	0.658	4	0.496	0.20	0.193	6.01	8.53	66320	68730	94090	97500	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

Ali Abbas

Test Performed By:

Dr. /Engr.

Irfan UI Hasan

Project Co-Ordinator Pacific Builders Pvt.Ltd.(Unoin Tower Sialkot)

Client Reference: Nil

SOM Lab

Ref:

383 (Page-1/1)

Dated: 26-05-2022

Dated:

27-05-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (FF 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	2.687	8	1.003	0.79	0.790	25.76	35.02	71920	71920	97750	97750	1.30	8.0	16.3	
2	1.510	6	0.752	0.44	0.444	14.50	20.54	72660	72000	102960	102030	1.10	8.0	13.8	
3	0.651	4	0.493	0.20	0.191	5.91	8.38	65200	68270	92400	96760	1.40	8.0	17.5	
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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	
# 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

AZ Engg Associates

Test Performed By: Dr. /Engr. Irfan UI Hasan

RE (M&C) AZ Engg. Associates.(Estb. Of Mother & Child Block,Teaching Hospital,DG Khan)

Client Reference: RE/AZEA/DGK/080

SOM Lab

Ref: 387 (Page-1/1)

Dated: 19-05-2022

Dated: 27-05-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (FF 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	2.678	8	1.001	0.79	0.787	27.49	35.44	76750	77050	98950	99330	1.30	8.0	16.3	
2	2.660	8	0.998	0.79	0.782	27.73	35.60	77410	78200	99380	100390	1.40	8.0	17.5	
3	1.557	6	0.764	0.44	0.458	13.40	19.34	67190	64550	96930	93120	1.40	8.0	17.5	
4	1.552	6	0.762	0.44	0.456	13.25	19.42	66430	64100	97340	93920	1.40	8.0	17.5	
5	0.654	4	0.494	0.20	0.192	6.65	9.84	73290	76350	108480	112990	1.30	8.0	16.3	
6	0.656	4	0.496	0.20	0.193	6.63	10.27	73070	75720	113200	117300	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