

StarchPack (Pvt.) Ltd.
Lead Civil Lahore.(StarchPack Green Project At Kasur)

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil
SOM Lab Ref: CED/SOM/1756(Page-1/1)

Dated: 15-02-2023

Dated: 15-02-2023

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	3.893	25	25.13	491	496	261.20	327.00	532	527	666	660	37.5	200	18.8	
2	3.839	25	24.95	491	489	252.70	321.20	515	517	654	657	32.5	200	16.3	
3	2.436	20	19.88	314	310	187.70	222.50	597	605	708	718	30.0	200	15.0	
4	2.421	20	19.82	314	308	153.70	193.50	489	499	616	628	35.0	200	17.5	
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BEND TEST:

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

Flying Cement Company

Test Performed By:

Dr. /Engr.

S.Asad Ali Gillani

RE ISOTEC.(Flying Cement Company 7000 TPD Line II Khushab)

Client Reference: Nil

Dated: 04-02-2023

SOM Lab Ref: CED/SOM/1763(Page-1/1)

Dated: 15-02-2023

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	3.992	25	25.46	491	509	249.00	345.50	507	490	704	679	32.5	200	16.3	
2	4.018	25	25.53	491	512	251.20	347.50	512	491	708	679	32.5	200	16.3	
3	2.240	20	19.06	314	285	147.20	196.50	469	516	625	689	32.5	200	16.3	
4	2.234	20	19.04	314	285	148.20	196.70	472	521	626	692	37.5	200	18.8	
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BEND TEST:

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

Lt Col Khalid Mahmood Zia

Test Performed By: Dr. /Engr. Qasim Khan

RE (ACE) Arts GC Uni,(KSK Campus)Lhr.(Const Of Academic Block,GC Uni (KSK) Campus)

Client Reference: RE/GCU(KSK)/T-2010/01

SOM Lab

Ref: 1754 (Page-1/1)

Dated: 13-02-2023

Dated: 15-02-2023

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	2.599	8	0.986	0.79	0.764	26.66	34.48	74420	76950	96250	99520	1.40	8.0	17.5	
2	1.465	6	0.741	0.44	0.431	14.09	18.67	70620	72090	93610	95560	1.30	8.0	16.3	
3	0.595	4	0.472	0.20	0.175	5.47	7.49	60370	68990	82620	94420	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

Saqib Akram,RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Nespak Shalimar Sports Complex,Lahore.(Estb Of Sports Complex In Shalimar Lahore)

Client Reference: 3772/103/NA-130/RE/05/06

SOM Lab

Ref: 1755 (Page-1/1)

Dated: 14-02-2023

Dated: 15-02-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (S.J

Gauge Length: 8 inch

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)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.658	8	0.997	0.79	0.781	25.13	35.90	70150	70960	100230	101380	1.30	8.0	16.3	
2	2.654	8	0.997	0.79	0.780	24.97	35.78	69720	70620	99890	101170	1.30	8.0	16.3	
3	1.510	6	0.752	0.44	0.444	14.37	19.62	72050	71400	98360	97470	1.30	8.0	16.3	
4	1.504	6	0.750	0.44	0.442	14.37	19.72	72050	71720	98870	98420	1.20	8.0	15.0	
5	0.665	4	0.498	0.20	0.195	6.60	8.82	72730	74600	97230	99730	1.10	8.0	13.8	
6	0.661	4	0.497	0.20	0.194	6.63	8.92	73070	75330	98360	101400	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

Engr.Hasnat Bajwa

Test Performed By:

Dr. /Engr. Asad Ali Gillani

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

Client Reference: ZD/ZQ/GSW/047

SOM Lab

Ref: 1757 (Page-1/1)

Dated: 14-02-2022

Dated: 15-02-2022

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	2.683	8	1.002	0.79	0.788	32.47	39.40	90640	90870	109990	110270	1.60	8.0	20.0	
2	2.670	8	1.000	0.79	0.785	28.54	36.60	79680	80190	102170	102820	1.60	8.0	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

# 8	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

Ch.Rizwan Mushtaq

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

RE Nespak,Gujrat.(Flyover atSaroki Adda On G.T Rd to Gujrat Ding A Road-13KMS in Distt Gujrat)

Client Reference: 4364/03/CRM/01/22/35

SOM Lab

Ref: 1758 (Page-1/1)

Dated: 01-02-2023

Dated: 15-02-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Sheikhoo 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	1.494	6	0.748	0.44	0.439	14.63	19.01	73320	73490	95290	95510	1.40	8.0	17.5	
2	1.490	6	0.747	0.44	0.438	14.93	19.39	74860	75200	97180	97630	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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

Sehreen Tabish
 Building Standards Lahore.(Project For Blairian Developers)

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

Client Reference: GT/LTR/230215-019

SOM Lab

Ref: 1759 (Page-1/1)

Dated: 15-02-2023

Dated: 15-02-2023

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	1.381	6	0.719	0.44	0.406	10.72	16.84	53750	58260	84410	91480	1.30	8.0	16.3	
2	1.384	6	0.720	0.44	0.407	9.30	14.15	46600	50380	70920	76670	1.50	8.0	18.8	
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BEND TEST:

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

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

Ahsan Zubair

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE Nespak Lahore.(Const Of Underpass at Samanabad Morr)

SOM Lab

Ref:

1760 (Page-1/3)

Client Reference: 4403/03/AZ/Lab/Steel-22

Dated: 14-02-2023

Dated:

15-02-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Roshan Premier)

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	2.626	8	0.991	0.79	0.772	26.20	36.16	73140	74840	100940	103290	1.30	8.0	16.3	
2	2.624	8	0.991	0.79	0.771	26.01	36.09	72630	74420	100740	103220	1.40	8.0	17.5	
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BEND TEST:

# 8	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

Ahsan Zubair

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE Nespak Lahore.(Const Of Underpass at Samanabad Morr)

Client Reference: 4403/03/AZ/Lab/Steel-24

SOM Lab

Ref:

1760 (Page-2/3)

Dated: 14-02-2023

Dated:

14-02-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (SJ 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	1.509	6	0.751	0.44	0.443	15.92	20.56	79810	79270	103060	102360	1.30	8.0	16.3	
2	1.510	6	0.752	0.44	0.444	15.21	20.15	76240	75550	101020	100110	1.40	8.0	17.5	
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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

Ahsan Zubair

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE Nespak Lahore.(Const Of Underpass at Samanabad Morr)

SOM Lab

Ref:

1760 (Page-3/3)

Client Reference: 4403/03/AZ/Lab/Steel-21

Dated: 14-02-2023

Dated:

14-02-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (5 Star)

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	1.493	6	0.748	0.44	0.439	13.83	18.98	69340	69500	95140	95360	1.40	8.0	17.5	
2	1.499	6	0.749	0.44	0.441	15.09	20.18	75620	75450	101170	100940	1.40	8.0	17.5	
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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

Engr. Mian Mubashar Rafiq

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM Union Developers Lhr.(const. Of Union Luxury Apartments,Etihad Town Lahore.)

Client Reference: UA/SO/2022/038

SOM Lab

Ref:

1761 (Page-1/1)

Dated: 15-02-2023

Dated:

15-02-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Afco 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	2.639	8	0.994	0.79	0.776	29.33	37.07	81880	83350	103500	105370	1.30	8.0	16.3	
2	2.610	8	0.988	0.79	0.767	29.99	37.87	83730	86240	105720	108890	1.30	8.0	16.3	
3	1.485	6	0.745	0.44	0.436	16.67	19.83	83540	84310	99380	100290	1.10	8.0	13.8	
4	1.554	6	0.763	0.44	0.457	19.69	23.14	98720	95040	115990	111670	1.10	8.0	13.8	
5	0.652	4	0.494	0.20	0.192	7.85	9.25	86560	90160	101960	106200	1.00	8.0	12.5	
6	0.653	4	0.494	0.20	0.192	7.03	8.63	77560	80800	95210	99180	1.00	8.0	12.5	
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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

Batala Steel Industries
 Director Batala Steel Lahore.

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

Client Reference: Nil
 Dated: 14-02-2023

SOM Lab
 Ref: 1762 (Page-1/1)
 Dated: 15-02-2023

Test: Tension Test & Bend Test
 Gauge Length: 8 inch

Test Specification: ASTM-A-615
 Sample Type: Deformed Bar (Batala 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	2.643	8	0.995	0.79	0.777	20.71	32.87	57830	58800	91780	93310	1.60	8.0	20.0	
2	2.631	8	0.992	0.79	0.773	20.82	32.52	58110	59390	90780	92780	1.60	8.0	20.0	
3	1.478	6	0.743	0.44	0.434	12.92	20.54	64740	65630	102960	104380	1.50	8.0	18.8	
4	1.448	6	0.736	0.44	0.426	12.13	19.98	60810	62800	100150	103440	1.30	8.0	16.3	
5	0.640	4	0.489	0.20	0.188	6.01	9.17	66320	70560	101170	107630	1.00	8.0	12.5	
6	0.638	4	0.488	0.20	0.187	5.81	9.19	64080	68530	101390	108440	1.10	8.0	13.8	
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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

Hafiz Ozair Ahmad, Dy Dir(QCD)

Test Performed By:

Dr. /Engr. Yousaf

WASA,LDA,Lhr.(Manufactring of R.C.C Manhole Cover WASA L.D.A Lahore)

Client Reference: QCD/302-03

SOM Lab

Ref:

1764 (Page-1/1)

Dated: 13-02-2023

Dated:

15-02-2023

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	0.653	4	0.494	0.20	0.192	5.37	7.87	59240	61710	86780	90400	1.50	8.0	18.8	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Two Samples Received and Tested

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