

Qasim Ali,
Senior Manager Projects-Civil Volka Foof International Limited Multan.

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

Client Reference: VFI/Civil/11

Dated: 17-04-2024

SOM Lab Ref: CED/SOM/3961(Page-1/1)

Dated: 19-04-2024

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	3.812	25	24.88	491	486	257.00	341.00	524	529	695	702	37.5	200	18.8	
2	3.832	25	24.93	491	488	247.00	347.70	503	506	708	713	37.5	200	18.8	
3	2.218	19.5	18.97	299	282	140.50	189.20	470	498	634	670	35.0	200	17.5	
4	2.224	19.5	19.00	299	283	145.20	192.50	486	513	645	680	37.5	200	18.8	
5	1.547	16	15.84	201	197	106.00	135.00	527	538	671	686	35.0	200	17.5	
6	1.570	16	15.96	201	200	105.70	136.20	526	529	677	681	37.5	200	18.8	
7	0.988	12.7	12.66	127	126	64.00	85.20	505	509	673	677	32.5	200	16.3	
8	0.988	12.7	12.66	127	126	63.00	85.70	497	501	677	681	32.5	200	16.3	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
19.5mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
12.7mm	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

Assistant Resident Engineer
ECSP Lahore.(Smart Safe Cities Project Phase-I)

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

Client Reference: ECSP/DIC3/24-01

Dated: 17-04-2024

SOM Lab Ref: CED/SOM/3963(Page-1/1)

Dated: 19-04-2024

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	0.938	12	12.36	113	120	65.00	82.50	575	542	729	688	30.0	200	15.0	Sheikhu
2	0.876	12	11.92	113	112	60.00	72.50	531	538	641	650	25.0	200	12.5	Amreli
3	0.881	12	11.95	113	112	61.50	77.50	544	549	685	691	25.0	200	12.5	Mughal
4	0.893	12	12.03	113	114	63.00	79.70	557	554	705	701	25.0	200	12.5	Ittefaq
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BEND TEST:

12mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eight Samples Received and Tested
12mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	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

Engineer Muhammad Irfan
 Dy Dir Infra. DHA Gujranwala.(Sec C)

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

Client Reference: 111/15/DD/RS/Lab/Pkg-2A/2118

SOM Lab

Ref: 3962 (Page-1/1)

Dated: 18-04-2024

Dated: 19-04-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (SJ Steel)

ASTM-A-615

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	0.671	4	0.501	0.20	0.197	7.03	8.58	77560	78750	94650	96090	1.20	8.0	15.0	
2	0.670	4	0.501	0.20	0.197	6.98	8.61	77000	78170	94990	96430	1.10	8.0	13.8	
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BEND TEST:

# 4	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

Jawad Ahmad,PM

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

Izhar Construction (Pvt) Ltd.(Const of Nishat Paper Products Plant at QABP,Sheikhupura)

Client Reference: ICPL/Const/NPPCL/24/005

SOM Lab

Ref: 3964 (Page-1/1)

Dated: 19-04-2024

Dated: 19-04-2024

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	2.561	8	0.979	0.79	0.753	26.40	32.93	73710	77330	91920	96440	1.30	8.0	16.3	
2	2.559	8	0.979	0.79	0.752	26.30	33.03	73420	77130	92210	96860	1.40	8.0	17.5	
3	0.588	4	0.469	0.20	0.173	6.12	7.67	67450	77970	84530	97730	1.00	8.0	12.5	
4	0.597	4	0.472	0.20	0.175	6.19	7.70	68230	77980	84870	96990	1.20	8.0	15.0	
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BEND TEST:

# 8	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

Abid Ullah,RE

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

Techno-Consult Inter.PRSWSS Project North.(KLK-01,Procurement of Civil Works Tehsil Kallar Kahar)

Client Reference: TCI/PRSWSSP-NORTH/PH-V/KLK-01/126

SOM Lab

Ref: 3965 (Page-1/1)

Dated: 15-02-2024

Dated: 19-04-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (AK Supreme)

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	22.53	32.57	62890	63460	90920	91740	1.50	8.0	18.8	
2	2.663	8	0.998	0.79	0.783	22.22	32.44	62040	62600	90550	91360	1.30	8.0	16.3	
3	1.514	6	0.753	0.44	0.445	13.97	19.06	70000	69220	95550	94480	1.30	8.0	16.3	
4	1.516	6	0.754	0.44	0.446	14.07	20.80	70510	69560	104230	102830	1.30	8.0	16.3	
5	0.663	4	0.498	0.20	0.195	6.42	9.17	70820	72640	101170	103760	1.10	8.0	13.8	
6	0.671	4	0.501	0.20	0.197	6.35	8.87	70030	71100	97800	99290	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

