Muhammad Faryad **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

ME Zahir Khan & Brothers.(Const/Black Topping of Road From Rakhni To Baiker)

Client Reference: ZKB/LT/004 **SOM Lab Ref:** 690 (P-1/1)

Dated: 31-01-2025 **Dated:** 31-01-2025

Test: Tension Test **Test Specification:** ASTM-A-615

Guage Length: 200 mm **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)				
	kg/m	mm	mm	mm^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.578	16	16.00	201	201	95.00	131.00	473	473	652	652	32.5	200	16.3	
2	1.734	16	16.77	201	221	98.50	131.00	490	446	652	594	35.0	200	17.5	
3	0.877	12	11.93	113	112	54.20	76.70	480	486	679	687	27.5	200	13.8	
4	0.751	12	11.04	113	96	59.70	78.20	528	624	692	818	30.0	200	15.0	
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BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Engineer Muhammad Irfan
Dy Dir Infra. DHA Gujranwala.(Sector K& D)

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

Client Reference: 111/DD/Lab/D/251
Dated: 30-01-2025

SOM Lab Ref: 687 (Page-1/1)
Dated: 31-01-2025

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

Test Specification: ASTM-A-615
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	2.663	8	0.998	0.79	0.783	28.24	35.68	78830	79540	99600	100490	1.10	8.0	13.8	
2	2.660	8	0.998	0.79	0.782	25.79	33.46	72000	72740	93400	94360	1.40	8.0	17.5	
3	1.498	6	0.748	0.44	0.440	15.95	19.57	79970	79970	98100	98100	1.30	8.0	16.3	
4	1.495	6	0.748	0.44	0.439	16.23	20.05	81340	81530	100500	100730	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Mohsin Abbas,QAQC Manager **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Zameen Development.(Const. Of DownTown RUMANZA at Plot#RC01,Sec Rumanza,DHA Multan)

SOM Lab

Client Reference: ZD/QAQC/DTR/02 **Ref:** 686 (Page-1/1)

Dated: 31-01-2025 **Dated:** 31-01-2025

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Def. 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	2.691	8	1.004	0.79	0.791	25.69	34.32	71720	71630	95820	95700	1.50	8.0	18.8	
2	2.639	8	0.994	0.79	0.776	22.40	32.16	62520	63650	89790	91410	1.40	8.0	17.5	
3	1.506	6	0.751	0.44	0.443	13.93	18.32	69850	69380	91820	91200	1.60	8.0	20.0	
4	1.486	6	0.746	0.44	0.437	12.92	17.76	64740	65180	89010	89620	1.30	8.0	16.3	
5	0.662	4	0.498	0.20	0.195	6.52	8.61	71940	73790	94990	97420	1.30	8.0	16.3	
6	0.663	4	0.498	0.20	0.195	6.32	8.18	69700	71480	90150	92460	1.50	8.0	18.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine Samples Received and Tested

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

Engineer Muhammad Irfan
Dy Dir Infra. DHA Gujranwala.(Sector K& D)

Test Performed By: **Dr. /Engr.** Wasim Abbas

Client Reference: 111/DD/Lab/D/251
Dated: 30-01-2025

SOM Lab Ref: 687 (Page-1/1)
Dated: 31-01-2025

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	0.667	4	0.500	0.20	0.196	6.54	9.04	72170	73640	99710	101740	1.30	8.0	16.3	
2	0.666	4	0.500	0.20	0.196	6.44	8.89	71040	72490	98020	100020	1.20	8.0	15.0	
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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

Allied Bank **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Head Const. Site ABL-UML P-199&200.(Const Of ABL Upper Mall Lahore Plot No 199,200)

Client Reference: ABL-UML-AMC-QAQC-105 **SOM Lab Ref:** 689 (Page-1/1)

Dated: 31-01-2025 **Dated:** 31-01-2025

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	2.665	8	0.998	0.79	0.783	25.40	35.90	70920	71550	100230	101130	1.40	8.0	17.5	
2	2.634	8	0.993	0.79	0.774	26.52	35.95	74050	75580	100370	102450	1.30	8.0	16.3	
3	1.531	6	0.757	0.44	0.450	13.25	17.66	66430	64950	88500	86530	1.30	8.0	16.3	
4	1.432	6	0.732	0.44	0.421	13.58	18.30	68060	71130	91720	95860	1.40	8.0	17.5	
5	1.034	5	0.622	0.31	0.304	10.37	13.25	73760	75210	94280	96140	1.40	8.0	17.5	
6	1.044	5	0.625	0.31	0.307	10.35	13.22	73610	74330	94060	94980	1.30	8.0	16.3	
7	0.662	4	0.498	0.20	0.195	6.49	8.66	71610	73440	95550	98000	1.40	8.0	17.5	
8	0.663	4	0.498	0.20	0.195	6.47	8.58	71380	73210	94650	97080	1.40	8.0	17.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 5	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Twelve Samples Received and Tested

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

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

Test Performed By: **Dr. /Engr.** Nauman Khurram

Client Reference: 111/DD/Infra/C/2502
Dated: 31-01-2025

SOM Lab Ref: 691 (Page-1/1)
Dated: 31-01-2025

Test: Tension Test & Bend Test
Test Specification: ASTM-A-615
Gauge Length: 8 inch
Sample Type: Plain Bar (MS Rungs)

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	2.699	8	1.005	0.79	0.793	35.32	40.01	98610	98230	111700	111280	0.30	8.0	3.8	
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BEND TEST:

--	No Bend test performed

Note:-

Only One Sample Received and Tested

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