

Engr Jaffar Rashid
Project Manager, IZHAR Concrete (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: ICPL/CCBPL/LAB/07

SOM Lab

Ref: 1469(Page-1/1)

Dated: 26-09-2018

Dated: 26-12-2018

Test: Tension Test & Bend Test

Test Specification:

BS -4449

Deformed

Gauge Length: 8 inch

Sample Type:

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	1.487	6	0.746	0.44	0.437	18.15	21.63	91000	91630	108420	109170	1.00	8.0	12.5	
2	1.481	6	0.744	0.44	0.435	18.14	21.68	90950	92000	108680	109930	1.00	8.0	12.5	
3	1.012	5	0.615	0.31	0.297	9.86	12.35	70130	73200	87900	91750	1.00	8.0	12.5	
4	1.002	5	0.612	0.31	0.294	10.37	12.86	73760	77770	91520	96500	1.10	8.0	13.8	
5	0.650	4	0.493	0.20	0.191	6.09	9.28	67110	70270	102290	107110	1.10	8.0	13.8	
6	0.658	4	0.496	0.20	0.193	6.19	9.33	68230	70710	102860	106590	1.20	8.0	15.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 5	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

H. Developments Construction,
4-Babar Block, Main Boulevard, Garden Town, Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: Nil

SOM Lab

Ref: 1471(Page-1/1)

Dated: 26-09-2019

Dated: 26-09-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	2.612	8	0.989	0.79	0.768	26.86	35.47	74990	77140	99030	101870	1.30	8.0	16.3	
2	2.602	8	0.987	0.79	0.765	23.82	32.79	66510	68680	91550	94540	1.20	8.0	15.0	
3	1.485	6	0.745	0.44	0.436	14.32	18.60	71790	72450	93250	94110	1.30	8.0	16.3	
4	1.483	6	0.745	0.44	0.436	14.37	18.73	72050	72710	93860	94720	1.30	8.0	16.3	
5	0.642	4	0.491	0.20	0.189	6.57	8.43	72510	76730	92960	98370	0.90	8.0	11.3	
6	0.660	4	0.497	0.20	0.194	7.03	8.66	77560	79960	95550	98500	0.90	8.0	11.3	
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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

Khalid Latif Sheikh
PMCS Manager, MAK Associates, Lahore

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

Client Reference: MAK/PAF/SV-GL/TB-037

SOM Lab 1472(Page-
Ref: 1/1)

Dated: 24-09-2019

Dated: 26-09-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Guage 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	2.660	8	0.998	0.79	0.782	28.72	36.72	80170	80990	102510	103560	1.20	8.0	15.0	
2	2.664	8	0.998	0.79	0.783	28.82	36.51	80450	81170	101940	102850	1.10	8.0	13.8	
3	1.505	6	0.750	0.44	0.442	14.78	20.56	74090	73750	103060	102590	1.20	8.0	15.0	
4	1.489	6	0.747	0.44	0.438	14.48	19.57	72560	72890	98100	98550	1.00	8.0	12.5	
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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	

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Sub Divisional Officer
Highway Sub Division, Arifwala

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

Client Reference: 387/SDO-A
Dated: 31-08-2019
Test: Tension Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
Sample Type: Plain & Deformed Bar

SOM Lab
Ref: 1473 (Page-1/1)
Dated: 26-09-2019

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	2.515	8	0.970	0.79	0.739	18.86	27.37	52650	56280	76410	81680	2.30	8.0	28.8	Plain Bar
2	1.284	6	0.693	0.44	0.377	9.33	15.31	46760	54570	76750	89570	1.10	8.0	13.8	Deformed
3	0.533	4	0.447	0.20	0.157	4.20	6.54	46320	59000	72170	91930	1.00	8.0	12.5	Deformed
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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	

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