

Ahmad Hussain
 Coordination Engineer, IZHAR Construction (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: ICPL/CONST-HNMPL/20/083

Dated: 24-11-2020

SOM Lab Ref: CED/SOM/3311(Page-1/1)

Dated: 24-11-2020

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	1.604	16	16.12	201	204	81.20	118.00	404	399	587	579	42.5	200	21.3	
2	1.600	16	16.11	201	204	80.20	117.50	399	394	584	577	42.5	200	21.3	
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BEND TEST:

16mm	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

Ayaz Khan

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Inter-Link Mobile Accessories, Near Ring Road Turki Road, Lahore

Client Reference: Nil

SOM Lab

Ref: 3310(Page-1/1)

Dated: 24-11-2020

Dated: 24-11-2020

Test: Tension 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	2.610	8	0.988	0.79	0.767	25.72	36.36	71800	73950	101510	104550	1.20	8.0	15.0	
2	1.483	6	0.745	0.44	0.436	13.35	18.81	66940	67550	94270	95140	1.30	8.0	16.3	
3	0.678	4	0.503	0.20	0.199	6.47	9.02	71380	71740	99480	99980	1.20	8.0	15.0	
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BEND TEST:

--	No Bend test performed	Note:- Only Three Samples Received and Tested

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

Khurram Shahzad
Jr Engineer (Civil), WASO (SWP) PAEC, D. G. Khan

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: SWP/W(2315)/2018

Dated: 23-11-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3313(Page-1/1)

Dated: 24-11-2020

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	2.069	7	0.880	0.60	0.608	17.60	28.13	64710	63860	103420	102060	1.30	8.0	16.3	
2	2.067	7	0.879	0.60	0.607	17.64	28.10	64820	64080	103300	102110	1.40	8.0	17.5	
3	1.074	5	0.634	0.31	0.316	8.66	12.51	61650	60480	88990	87300	1.60	8.0	20.0	
4	1.078	5	0.635	0.31	0.317	8.63	12.54	61430	60070	89200	87230	1.70	8.0	21.3	
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BEND TEST:

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

Sub Divisional Officer
Buildings Sub Division, Essan Khel

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

Client Reference: 522-

SOM Lab

Ref: 3315(Page-1/1)

Dated: 04-11-2020

Dated: 24-11-2020

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	2.677	8	1.001	0.79	0.787	20.44	31.77	57060	57280	88700	89040	1.50	8.0	18.8	
2	1.495	6	0.748	0.44	0.439	11.06	17.45	55440	55570	87480	87680	1.60	8.0	20.0	
3	0.650	4	0.493	0.20	0.191	5.76	8.48	63510	66510	93530	97930	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
# 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

Sub Divisional Officer
Buildings Sub Division, Mianwali

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

Client Reference: 1101-

SOM Lab

Ref: 3316(Page-1/1)

Dated: 05-11-2020

Dated: 24-11-2020

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	2.735	8	1.012	0.79	0.804	21.10	32.87	58910	57880	91780	90180	1.50	8.0	18.8	
2	1.505	6	0.750	0.44	0.442	11.11	17.58	55700	55440	88140	87740	1.40	8.0	17.5	
3	0.666	4	0.500	0.20	0.196	6.07	8.72	66890	68250	96110	98070	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