

I. H. ZARRAR
Engineering Design Bureau, Lahore

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

Client Reference: EDB/10
SOM Lab Ref: CED/SOM/3932(Page-2/3)
Test: Tension Test
Sample Type: Deformed Bar

Dated: 08-02-2021
Dated: 01-03-2021
Test Specification: ASTM-A-615
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	3.877	25	25.08	491	494	277.20	328.70	565	562	670	666	27.5	200	13.8	
2	2.346	20	19.51	314	299	174.20	220.00	554	583	700	737	25.0	200	12.5	
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BEND TEST:

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

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

I. H. ZARRAR

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Engineering Design Bureau, Lahore (Site # Head Marala, Sialkot)

Client Reference: EDB/11

Dated: 08-02-2021

SOM Lab Ref: CED/SOM/3932(Page-3/3)

Dated: 01-03-2021

Test: Tension 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	2.368	20	19.61	314	302	149.50	202.00	476	496	643	669	25.0	200	12.5	
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BEND TEST:

-- No Bend test performed

Note:-Only One Sample
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

I. H. ZARRAR
Engineering Design Bureau, Lahore

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

Client Reference: EDB/09
SOM Lab Ref: CED/SOM/3932(Page-1/3)
Test: Tension Test
Sample Type: Deformed Bar

Dated: 08-02-2021
Dated: 01-03-2021
Test Specification: ASTM-A-615
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	3.889	25	25.11	491	495	248.70	358.50	507	503	730	725	35.0	200	17.5	
2	1.556	16	15.88	201	198	105.50	132.50	525	533	659	669	35.0	200	17.5	
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BEND TEST:

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

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

Resident Engineer,

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

PICIIP Sahiwal, NESPAK (Pvt) Ltd., 73-A W, Block Farid Town Sahiwal.

Client Reference: 3976/11/MT/Lot-2/38

SOM Lab

3930(Page-

Ref:

1/1)

Dated: 27-02-2021

Dated:

01-03-2021

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	2.674	8	1.000	0.79	0.786	23.57	35.80	65800	66130	99950	100450	1.60	8.0	20.0	
2	2.697	8	1.005	0.79	0.793	26.25	35.88	73280	73000	100170	99790	1.50	8.0	18.8	
3	1.509	6	0.751	0.44	0.443	18.55	22.63	92990	92360	113430	112660	1.00	8.0	12.5	
4	1.511	6	0.752	0.44	0.444	16.99	20.49	85180	84410	102700	101780	1.10	8.0	13.8	
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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

Note:-

Only Six Samples
Received and Tested

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

Assistant Director -II

Test Performed By:

Dr. /Engr.

M. Irfan UI
Hassan

Building Research Station, C & W, Department, Govt. of Punjab, Lahore

Client Reference: 154-R/533SOM Lab 3931(Page-
Ref: 1/1)

Dated: 01-03-2021

Dated: 01-03-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Agha 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	2.602	8	0.987	0.79	0.765	26.81	36.19	74850	77290	101030	104330	1.10	8.0	13.8	
2	1.501	6	0.749	0.44	0.441	17.13	20.41	85840	85650	102290	102060	1.40	8.0	17.5	
3	0.685	4	0.506	0.20	0.201	7.65	8.84	84310	83890	97460	96970	1.10	8.0	13.8	
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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 Six Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

Shahid Engineers,
Engineering & Contractprs, Faisalabad (Site: Apex Mall)

Test Performed By: Dr. /Engr.

S. Asasd Ali
Gillani

Client Reference: FX - 83/2021

Dated: 26-02-2021

SOM Lab 3933(Page-
Ref: 1/1)

Dated: 01-03-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

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	2.605	8	0.988	0.79	0.766	27.29	33.40	76180	78570	93260	96180	1.40	8.0	17.5	
2	1.466	6	0.741	0.44	0.431	15.57	19.29	78020	79650	96670	98690	1.40	8.0	17.5	
3	0.668	4	0.500	0.20	0.196	6.19	8.87	68230	69630	97800	99790	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	
# 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