

Test Performed by: Dr. Asad Ali Gillani

M.Imran Majeed
Assistant Manager,
Engineering & B.D
Associates In Development (AiD) Pvt. Ltd

Client Reference No.: AiD-UET/001
SOM Lab Ref: CED/SOM/3741(Page 1/1)
Test: Tensile Test
Sample Type: Threaded – M20

Dated: 01-03-2024
Dated: 01-03-2024

Gauge Length: 8 Inches

Tension Test Results

Sr. No.	Diameter	Area	Yield Load	Ultimate Load	Yield stress	Ultimate stress	Elongation
	(mm)	(mm ²)	KN	KN	(Mpa)	(Mpa)	%
1	20	314	136.0	155.2	433.10	449.30	8.8
2	20	314	138.0	157.2	439.50	500.60	7.5

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

Test Performed by: Dr. Asad Ali Gillani

M.Imran Majeed
Assistant Manager,
Engineering & B.D
Associates in Development (AiD) Pvt. Ltd

Client Reference No.: AiD-UET/003
SOM Lab Ref: CED/SOM/3742(Page 1/1)
Test: Tensile Test
Sample Type: Threaded – M20

Dated: 01-03-2024
Dated: 01-03-2024

Gauge Length: 8 Inches

Tension Test Results

Sr. No.	Diameter	Area	Yield Load	Ultimate Load	Yield stress	Ultimate stress	Elongation
	(mm)	(mm ²)	KN	KN	(Mpa)	(Mpa)	%
1	20	314	134.5	155.5	428.30	495.20	8.8
2	20	314	138.0	158.2	439.50	503.80	8.8

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

Waqas Ahmed Ghumman ,PM
 High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

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

Client Reference: QC/HQ/CIVIL/192

Dated: 01-03-2024

SOM Lab Ref: CED/SOM/3739(Page-1/1)

Dated: 01-03-2024

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	4.082	25	25.73	491	520	275.20	364.20	561	530	742	701	32.5	200	16.3	
2	3.907	25	25.18	491	498	260.20	340.70	530	523	694	685	35.0	200	17.5	
3	2.434	20	19.87	314	310	161.50	206.00	514	521	656	665	27.5	200	13.8	
4	2.467	20	20.00	314	314	162.00	208.50	516	516	664	664	27.5	200	13.8	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
20mm	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

Waqas Ahmed Ghumman ,PM
 High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

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

Client Reference: QC/HQ/CIVIL/192-A

Dated: 01-03-2024

SOM Lab Ref: CED/SOM/3740(Page-1/1)

Dated: 01-03-2024

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	1.587	16	16.04	201	202	101.70	133.00	506	504	661	659	27.5	200	13.8	
2	1.528	16	15.74	201	195	95.50	127.50	475	491	634	656	30.0	200	15.0	
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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

M. Irfan
Lahore

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

Client Reference: Nil
SOM Lab Ref: CED/SOM/3736(Page-1/1)
Test: Tension Test & Bend Test
Sample Type: Deformed Bar

Dated: 01-03-2024
Dated: 01-03-2024
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	3.863	25	25.03	491	492	265.00	357.20	540	539	728	727	32.5	200	16.3	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Two Samples Received and Tested

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

Jawad Qayyum Khan,RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

NESPAK, 4376-E.(Dualization Of Sargodha Khushab Mianwali Road)(Group-IV)

Client Reference: RE/4376-E/JQK/4d/414

SOM Lab

Ref:

3735 (Page-1/1)

Dated: 15-02-2024

Dated:

01-03-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Supreme 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	0.675	4	0.502	0.20	0.198	6.44	8.89	71040	71760	98020	99010	1.10	8.0	13.8	
2	0.676	4	0.503	0.20	0.199	6.07	8.63	66890	67220	95210	95690	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

Junaid Iqbal
 PM-FCC FORMAN CHRISTIAN COLLEGE Lahore.(FCC,Lahore)

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

Client Reference: FC/DBW/PM/CCP/24/148

SOM Lab

Ref: 3737 (Page-1/1)

Dated: 29-02-2024

Dated: 01-03-2024

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	2.695	8	1.004	0.79	0.792	24.67	38.40	68870	68700	107200	106930	1.20	8.0	15.0	
2	2.687	8	1.003	0.79	0.790	23.85	38.30	66590	66590	106920	106920	1.30	8.0	16.3	
3	1.479	6	0.744	0.44	0.435	13.00	20.59	65150	65900	103210	104400	1.30	8.0	16.3	
4	1.483	6	0.745	0.44	0.436	13.10	20.71	65660	66260	103830	104780	1.20	8.0	15.0	
5	0.654	4	0.494	0.20	0.192	5.83	8.66	64300	66980	95550	99530	1.00	8.0	12.5	
6	0.644	4	0.491	0.20	0.189	5.96	8.66	65760	69590	95550	101110	1.10	8.0	13.8	
7	0.646	4	0.492	0.20	0.190	5.78	8.46	63740	67090	93300	98210	1.10	8.0	13.8	
8	0.663	4	0.498	0.20	0.195	5.81	8.51	64080	65720	93860	96270	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	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

Sohail Anjum,PM

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

MS IT Tower,G4 Lahore.(Const. Of MS IT Tower at Plot 450,451 Johar Town Lahore)

Client Reference: MSITT/UET/2024/S-007

SOM Lab

Ref: 3738 (Page-1/1)

Dated: 01-03-2024

Dated: 01-03-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (AF 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	2.639	8	0.994	0.79	0.776	23.65	32.54	66020	67220	90840	92480	1.50	8.0	18.8	
2	2.632	8	0.992	0.79	0.773	23.04	33.15	64320	65730	92550	94580	1.60	8.0	20.0	
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BEND TEST:

# 8	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

M. Saleem

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

Construction Company Engrs & Contractors, Sheikhpura.(Const. of Ware House)

Client Reference: Msc/24-110

SOM Lab

Ref: 3743 (Page-1/1)

Dated: 01-03-2024

Dated: 01-03-2024

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	1.488	6	0.746	0.44	0.437	12.54	19.62	62850	63280	98360	99030	1.30	8.0	16.3	SJ
2	1.497	6	0.748	0.44	0.440	12.39	19.29	62080	62080	96670	96670	1.50	8.0	18.8	SJ
3	0.656	4	0.496	0.20	0.193	6.19	8.56	68230	70710	94420	97850	1.20	8.0	15.0	Kisan
4	0.656	4	0.496	0.20	0.193	6.17	8.56	68010	70480	94420	97850	1.10	8.0	13.8	Kisan
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BEND TEST:

# 6	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