

jawad Jawaid
Sr Engineer, Pakistan Radiation Services, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: nil
SOM Lab Ref: CED/SOM/2766(Page-1/1)
Test: Tension Test & Bend Test
Sample Type: Deformed Bar

Dated: 21-07-2020
Dated: 21-07-2020
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	2.419	20	19.80	314	308	142.20	202.50	453	462	645	658	35.0	200	17.5	
2	2.422	20	19.82	314	308	143.20	202.70	456	465	645	658	32.5	200	16.3	
3	1.558	16	15.90	201	199	89.20	126.70	444	450	630	639	25.0	200	12.5	
4	1.555	16	15.88	201	198	89.00	126.50	443	450	629	639	25.0	200	12.5	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
16mm	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

Mr Umar Safdar
 Usman Industries 56- B -3, Gulberg-III, Lahore

Test Performed By: Dr. /Engr. M Irfan UI Hassan

Client Reference: Nil
 Dated: 21-07-2020

SOM Lab
 Ref: 2759(Page-1/1)
 Dated: 21-07-2020

Test: Tension Test & Bend Test Test Specification:

ASTM-A-615
 Deformed
 Bar

Gauge Length: 8 inch Sample Type:

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	2.678	8	1.001	0.79	0.787	26.71	36.80	74560	74850	102730	103130	1.40	8.0	17.5	
2	2.673	8	1.000	0.79	0.786	26.71	36.80	74560	74940	102730	103260	1.40	8.0	17.5	
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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

Engr M. Naveed Sadiq
Resident Engineer, Orbit Housing, Lahore

Test Performed By: Dr. /Engr.

M Irfan UI Hassan

Client Reference: Nil

SOM Lab

Ref: 2760(Page-1/1)

Dated: 21-07-2020

Dated: 21-07-2020

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	2.690	8	1.004	0.79	0.791	23.47	33.97	65510	65430	94820	94700	1.30	8.0	16.3	
2	2.698	8	1.005	0.79	0.793	23.65	34.25	66020	65780	95620	95260	1.40	8.0	17.5	
3	0.657	4	0.496	0.20	0.193	6.32	8.77	69700	72220	96670	100180	1.30	8.0	16.3	
4	0.659	4	0.497	0.20	0.194	6.42	8.87	70820	73010	97800	100820	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
# 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

Madina Steel Industry
Kasur

Test Performed By: Dr. /Engr. M Irfan UI Hassan

Client Reference: Nil

SOM Lab

Ref: 2761(Page-1/1)

Dated: 20-07-2020

Dated: 21-07-2020

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	1.525	6	0.755	0.44	0.448	14.07	21.38	70510	69250	107150	105230	1.20	8.0	15.0	
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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

Muhammad Noman
Model Sales Depot, Lahore

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

Client Reference: Nil
Dated: 21-07--2020
Test: Tension Test

SOM Lab
Ref: 2763 (Page-1/1)
Dated: 21-07-2020
ASTM-A-615
Deformed
Bar

Gauge Length: 8 inch

Test Specification:
Sample Type:

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	0.639	4	0.489	0.20	0.188	6.68	8.51	73630	78330	93860	99850	1.00	8.0	12.5	
2	0.640	4	0.489	0.20	0.188	6.37	8.07	70260	74740	89030	94710	1.00	8.0	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

Muhamma Imran
The Engineer(SFMKBIC-D. G. Khan)

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

Client Reference: PD(DGKIC)/DAP/2020/10346

SOM Lab
Ref: 2765 (Page-1/1)

Dated: 21-07-2020

Dated: 21-07-2020

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	1.533	6	0.758	0.44	0.451	15.11	19.42	75720	73880	97340	94960	1.00	8.0	12.5	
2	1.504	6	0.750	0.44	0.442	14.58	19.18	73070	72740	96160	95730	1.10	8.0	13.8	
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Witnessed By: Ali Raza AE (E&P) IDAP

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	
# 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