

Test Performed by: Dr.Asad Ali Gillani

M/S Progress Dynamics (Pvt) Ltd
Lahore.

Client Ref.No.: Nil

Dated: 25-10-2024

SOM Lab Ref: CED/SOM/091 (Page 1/1)

Dated: 25-10-2024

Test Type: Tensile Test

Specification: ASTM A-516

Sample Type: MS Plates (16mm)

Gauge Length: 2 inches

Tensile Test Results

Sr. No.	Sample Type	Size of strip (mm)	X Section Area (mm ²)	Yield Load (kN)	Ultimate Load (kN)	Yield Stress (MPa)	Ultimate Tensile Stress (MPa)	Elongation (inch)	% Elongation
1	MS Plate	24.3 x 15.20	369.36	142.00	209.40	384.45	566.93	0.60	30.00
2	MS Plate	24.3 x 15.20	369.36	145.70	210.60	394.47	570.18	0.70	35.00

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

Muhammad Arif

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

For M. Yousaf & Co. (Const of TCF Primary School Qila Main Singh Gujranwala)

Client Reference: MY/UET/2024

SOM Lab

Ref:

087 (Page-1/1)

Dated: 22-10-2024

Dated:

25-10-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Itfaq 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	0.673	4	0.502	0.20	0.198	7.16	9.04	78910	79710	99710	100710	1.00	8.0	12.5	
2	0.676	4	0.503	0.20	0.199	7.16	9.07	78910	79310	100050	100550	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

Asim Mushtaq
GM Factory Master Offisys (Pvt) Ltd. Lahore.

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

Client Reference: PEMH05-004

SOM Lab

Ref: 088 (Page-1/1)

Dated: 24-10-2024

Dated: 25-10-2024

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	2.577	8	0.982	0.79	0.757	25.23	33.15	70440	73510	92550	96580	1.50	8.0	18.8	
2	2.570	8	0.980	0.79	0.755	25.66	33.74	71630	74950	94200	98560	1.50	8.0	18.8	
3	1.567	6	0.766	0.44	0.461	16.16	20.03	80990	77300	100400	95830	1.30	8.0	16.3	
4	1.500	6	0.749	0.44	0.441	16.89	21.56	84670	84470	108070	107820	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	

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

Major Nayab Masood
 GE(Army)-I LRC.(Const Of 1 x Cop Office Block,38 SCSU at Lhr)

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

Client Reference: 7991/15/E-6

SOM Lab

Ref: 089 (Page-1/3)

Dated: 24-10-2024

Dated: 25-10-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Hunza 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	1.466	6	0.741	0.44	0.431	13.83	18.88	69340	70790	94630	96610	1.40	8.0	17.5	
2	1.458	6	0.738	0.44	0.428	13.93	18.88	69850	71810	94630	97280	1.30	8.0	16.3	
3	1.046	5	0.625	0.31	0.307	10.27	13.56	73030	73750	96460	97400	1.30	8.0	16.3	
4	1.055	5	0.628	0.31	0.310	10.24	13.56	72890	72890	96460	96460	1.40	8.0	17.5	
5	0.670	4	0.501	0.20	0.197	6.57	8.53	72510	73610	94090	95520	1.40	8.0	17.5	
6	0.668	4	0.500	0.20	0.196	6.57	8.51	72510	73990	93860	95780	1.30	8.0	16.3	
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BEND TEST:

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

Major Nayab Masood

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

GE(Army)-I LRC.(Const Of 1 x Ammo/Expl Mag,479 BBE, 475 AEBG at MS Gar Lhr)

Client Reference: 7992/12/E-6

SOM Lab

Ref: 089 (Page-2/3)

Dated: 24-10-2024

Dated: 25-10-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (FF 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	1.543	6	0.759	0.44	0.453	16.48	21.12	82620	80250	105870	102830	1.10	8.0	13.8	
2	1.544	6	0.760	0.44	0.454	17.07	21.51	85590	82950	107810	104490	1.10	8.0	13.8	
3	1.025	5	0.619	0.31	0.301	10.45	12.90	74340	76560	91740	94480	1.30	8.0	16.3	
4	1.029	5	0.620	0.31	0.302	10.45	12.97	74340	76310	92250	94690	1.20	8.0	15.0	
5	0.671	4	0.501	0.20	0.197	6.63	8.84	73070	74180	97460	98940	1.20	8.0	15.0	
6	0.670	4	0.501	0.20	0.197	6.57	8.87	72510	73610	97800	99290	1.10	8.0	13.8	
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BEND TEST:

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

XEN Awais Nazir

Test Performed By:

Dr. /Engr. Asad Ali Gillani

GE(Army)-II LRC.(Const Of 1 x Qtr Gd/Kote,27 BR/11 Div at Lhr)

Client Reference: 6003/20/E-6

SOM Lab

Ref: 089 (Page-3/3)

Dated: Apr-2024

Dated: 25-10-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (SJ 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	1.488	6	0.746	0.44	0.437	15.16	19.11	75980	76500	95800	96460	1.30	8.0	16.3	
2	1.495	6	0.748	0.44	0.439	14.98	19.08	75110	75280	95650	95870	1.20	8.0	15.0	
3	1.017	5	0.617	0.31	0.299	10.52	13.30	74840	77600	94640	98120	1.10	8.0	13.8	
4	1.017	5	0.617	0.31	0.299	10.42	13.20	74120	76850	93920	97370	1.10	8.0	13.8	
5	0.670	4	0.501	0.20	0.197	6.57	13.20	72510	73610	145570	147790	1.20	8.0	15.0	
6	0.670	4	0.501	0.20	0.197	6.54	8.74	72170	73270	96340	97800	1.30	8.0	16.3	
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BEND TEST:

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

Hafiz Inam Ullah Ch

Test Performed By:

Dr. /Engr. Asad Ali Gillani

PM AenZay Interiors & Architects Lhr.(Total Parco F/Station Located on Abdul Sattar Edhi Rd Lhr)

Client Reference: Nil

SOM Lab

Ref: 090 (Page-1/1)

Dated: 27-09-2024

Dated: 25-10-2024

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	1.499	6	0.749	0.44	0.441	13.56	19.54	67960	67800	97950	97730	1.40	8.0	17.5	
2	1.491	6	0.747	0.44	0.438	13.46	19.40	67450	67760	97230	97680	1.40	8.0	17.5	
3	0.663	4	0.498	0.20	0.195	6.83	9.30	75320	77250	102520	105150	1.00	8.0	12.5	
4	0.667	4	0.500	0.20	0.196	6.65	9.19	73290	74790	101390	103460	1.20	8.0	15.0	
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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