

Engr. Naveed Sadiq
RE Orbit Housing.Lahore.(The Springs Apartment Homes)

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

Client Reference: Nil

Dated: 25-07-2023

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 2621 (Page-1/1)

Dated: 25-07-2023

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	2.613	8	0.989	0.79	0.768	25.08	34.83	70010	72010	97240	100030	1.40	8.0	17.5	
2	2.613	8	0.989	0.79	0.768	25.20	35.07	70350	72370	97900	100700	1.50	8.0	18.8	
3	1.457	6	0.738	0.44	0.428	15.49	20.71	77670	79840	103830	106740	1.00	8.0	12.5	
4	1.439	6	0.734	0.44	0.423	15.29	20.64	76640	79720	103470	107630	1.30	8.0	16.3	
5	0.692	4	0.508	0.20	0.203	7.16	9.23	78910	77750	101730	100230	1.10	8.0	13.8	
6	0.659	4	0.497	0.20	0.194	6.47	8.58	71380	73590	94650	97580	1.00	8.0	12.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine 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

Abdur Rauf
Pr.Engineer, PAEC Mineral Dev Project.

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

Client Reference: MD(SC-35)/MDP/2023/2641/DM

SOM Lab

Ref: 2622 (Page-1/1)

Dated: 08-06-2023

Dated: 25-07-2023

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	1.498	6	0.748	0.44	0.440	14.04	19.72	70360	70360	98870	98870	1.30	8.0	16.3	
2	1.502	6	0.749	0.44	0.441	14.02	19.39	70260	70100	97180	96960	1.40	8.0	17.5	
3	1.504	6	0.750	0.44	0.442	13.91	19.29	69750	69430	96670	96240	1.20	8.0	15.0	
4	0.665	4	0.498	0.20	0.195	6.29	8.46	69360	71140	93300	95690	1.30	8.0	16.3	
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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

Kashif Mahmood,RE

Test Performed By: Dr. /Engr. Waseem Abbas

IT University Of Punjab.(Const. of 1 Kanal Building at Main Campus Barki Raod Lhr)

Client Reference: ITU/OEW/23/017

SOM Lab

Ref: 2623 (Page-1/1)

Dated: 25-07-2023

Dated: 25-07-2023

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	0.663	4	0.498	0.20	0.195	6.17	8.10	68010	69750	89370	91660	1.20	8.00	15.00	
2	0.673	4	0.502	0.20	0.198	6.49	8.38	71610	72330	92400	93330	1.50	8.00	18.88	
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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