

Muhammad Usman

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

PM Guarantee Engrs.(Pvt)Ltd.(Hyundai residential Project at FIEDMC,M3 Industrial Estate Fsd)

Client Reference: HNH/GE/ST/002

Dated : 17-01-2023

SOM Lab Ref: CED/SOM/1634(Page-1/1)

Dated : 23-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar

Gauge Length: 200 m

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	m	%	
1	2.483	20	20.06	314	316	166.00	211.00	528	526	672	668	35.0	200	17.5	
2	2.470	20	20.02	314	315	169.00	211.90	538	538	674	674	35.0	200	17.5	
3	1.524	16	15.72	201	194	91.20	125.50	454	470	624	647	25.0	200	12.5	
4	1.532	16	15.77	201	195	92.70	126.50	461	475	629	649	27.5	200	13.8	
5	0.890	12	12.02	113	113	53.20	71.70	470	470	634	633	25.0	200	12.5	
6	0.896	12	12.05	113	114	55.50	74.00	491	487	654	649	25.0	200	12.5	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	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

Liaqat Ali Khan

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

RE Mascon Associates Pvt.Ltd Jv HA Consulting.(Const of Model Model Bazar at Sheikhpura)

Client Reference: MAC-HAC/22/SKP/521

SOM Lab

Ref: 1630 (Page-1/1)

Dated: 23-01-2023

Dated: 23-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type: Bar

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	1.448	6	0.736	0.44	0.426	10.96	16.30	54930	56730	81700	84390	1.40	8.00	17.5	
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BEND TEST:

# 6	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

PK Steel
Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 1631 (Page-1/1)

Dated: 23-01-2023

Dated: 23-01-2023

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	1.46 2	6	0.74 0	0.4 4	0.43 0	15.09	21.51	75620	77380	10781 0	11032 0	0.9 0	8. 0	11. 3	
2	0.66 4	4	0.49 8	0.2 0	0.19 5	5.27	7.72	58120	59610	85100	87280	1.1 0	8. 0	13. 8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four 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

Manohar Lal

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

RE Nespak,Hafizabad.(Dualization of Rd From Guj to M-2 Interchange at Kot Sarwar Via Hafizabad)

Client Reference: SA-466F/103/GH/ML/Lab/61

SOM Lab

Ref: 1632 (Page-1/1)

Dated: 27-12-2022

Dated: 23-01-2023

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	2.687	8	1.003	0.79	0.790	26.61	35.47	74280	74280	99030	99030	1.40	8.00	17.5	
2	2.706	8	1.006	0.79	0.795	26.10	34.93	72850	72400	97530	96910	1.30	8.00	16.3	
3	1.505	6	0.750	0.44	0.442	15.77	18.98	79050	78690	95140	94710	1.50	8.00	18.8	
4	1.508	6	0.751	0.44	0.443	15.67	18.93	78530	78000	94880	94240	1.40	8.00	17.5	
5	1.050	5	0.627	0.30	0.309	9.99	13.91	71070	71300	98990	99310	1.30	8.00	16.3	
6	1.041	5	0.624	0.30	0.306	10.04	13.81	71440	72370	98270	99550	1.40	8.00	17.5	
7	0.672	4	0.501	0.19	0.197	7.29	9.38	80370	81600	103420	104990	1.40	8.00	17.5	
8	0.673	4	0.502	0.19	0.198	7.65	9.60	84310	85160	105890	106960	1.20	8.00	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	
# 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

Imran Sattar

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

Divisional Forest Officer, Kasur Forest Division at Changa Manga. (Const of B/wall at changa Manga)

Client Reference: 526/AC

SOM Lab

Ref: 1633 (Page-1/1)

Dated: 23-12-2022

Dated: 23-01-2023

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	0.668	4	0.500	0.20	0.196	6.60	8.87	72730	74210	97800	99790	1.20	8.00	15.00	
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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