

PK Steel

Test Performed By:

Dr. /Engr.

Nauman Khurram

Peco Chowk Godown No. 78, Near New Haidery Kanta, Badami Bagh, Lahore

Client Reference: Nil

SOM Lab

Ref:

4348(Page-1/1)

Dated: 27-05-2021

Dated:

27-05-2021

Test: Tension 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	0.603	4	0.475	0.20	0.177	4.66	7.08	51370	58050	78130	88280	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	0.375	3	0.374	0.11	0.110	6.14	8.33	123040	123040	166980	166980	1.10	8.0	13.8	
4	0.369	3	0.371	0.11	0.108	6.19	8.33	124060	126360	166980	170070	1.10	8.0	13.8	
5	0.372	3	0.373	0.11	0.109	10.60	13.88	212550	214500	278360	280910	1.10	8.0	13.8	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Khalid Overseas Corporation
Small Industries Estate, Sialkot

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: nil

SOM Lab

Ref: 4350(Page-1/1)

Dated: 27-05-2021

Dated: 27-05-2021

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	2.678	8	1.001	0.79	0.787	29.17	37.92	81450	81760	105860	106270	1.20	8.0	15.0	
2	2.646	8	0.995	0.79	0.778	28.75	37.51	80250	81490	104730	106340	1.00	8.0	12.5	
3	0.653	4	0.494	0.20	0.192	6.09	9.17	67110	69910	101170	105380	1.20	8.0	15.0	
4	0.657	4	0.496	0.20	0.193	6.07	9.19	66890	69310	101390	105070	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Sub Divisional Officer
Buildings Sub Division, Kasur

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: 211-

Dated: 25-05-2021

SOM Lab

Ref: 4351 (Page-1/1)

Dated: 27-05-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

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	0.654	4	0.494	0.20	0.192	5.15	7.46	56770	59130	82290	85710	1.50	8.0	18.8	
2	0.686	4	0.507	0.20	0.202	5.47	7.65	60370	59770	84310	83470	1.50	8.0	18.8	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Shahid Engineers,
Engineering & Contractprs, Faisalabad (Site: Apex Mall)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: FX-83/121

SOM Lab

Ref: 4353(Page-1/1)

Dated: 26-05-2021

Dated: 27-05-2021

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	2.660	8	0.998	0.79	0.782	24.97	33.23	69720	70440	92770	93720	1.40	8.0	17.5	
2	1.482	6	0.745	0.44	0.436	12.13	17.84	60810	61360	89420	90240	1.30	8.0	16.3	
3	0.660	4	0.497	0.20	0.194	5.96	8.21	65760	67800	90490	93290	1.10	8.0	13.8	
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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	
# 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

Test Performed by: Dr. S. Asad Ali Gillani

Muhammad Javed Iqbal

Asst. Manager Material (Engr)

DHA (Phase – II & V)

Central Material Testing Laboratories,

DHA Rawalpindi / Islamabad

Project: 3 x Span Bridge Over Ling River DHA Phase –V, Islamabad

Client Reference No.: Nil

Dated: 26-05-2021

SOM Lab Ref: CED/SOM/4352(Page-1/1)

Dated: 27-05-2021

Test: , Compressive Set 22 Test.

Sample Type: Elastomeric Bearing Pad (Rainbow Rubber Industry Karachi)

- COMPRESSION SET TEST (AS PER ASTM-D-395)

S. No.	Thickness of Sample (mm)	Final Thickness (mm)	Compression set (%)
1	12.4	12.3	0.806