

Engr. Faisal Iqbal

Test Performed By:

Dr. /Engr. Asad Ali Gillani

RE Allied Engg Consultants.(Const. Of Servis More Flyover And Industrial Area Link Rd,Distt Gujrat-II)

Client Reference: AEC/GUJ/2021/82

SOM Lab 5946 (Page-

Ref: 1/1)

Dated: 17-01-2022

Dated: 25-02-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Islamabad Supreme)

| 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 | 2.655 | 8 | 0.997 | 0.79 | 0.780 | 27.37 | 35.27 | 76410 | 77390 | 98470 | 99730 | 1.20 | 8.0 | 15.0 | |
| 2 | 2.664 | 8 | 0.998 | 0.79 | 0.783 | 27.01 | 35.07 | 75420 | 76090 | 97900 | 98770 | 1.50 | 8.0 | 18.8 | |
| 3 | 1.051 | 5 | 0.627 | 0.31 | 0.309 | 11.54 | 13.91 | 82100 | 82360 | 98990 | 99310 | 1.10 | 8.0 | 13.8 | |
| 4 | 1.046 | 5 | 0.625 | 0.31 | 0.307 | 11.13 | 13.48 | 79200 | 79970 | 95880 | 96810 | 1.20 | 8.0 | 15.0 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

BEND TEST:

| | | |
|-----|--|---|
| # 8 | Sample bend through 180 degrees Satisfactorily without any crack | Note:- Only Six Samples Received and Tested |
| # 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

Asif Shahzad

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

APE Building Section DHA Gujranwala.Const. Of Villas (Block-B)

Client Reference: 111/3/APE Bldge/Gen/12

SOM Lab

5947 (Page-

Ref:

1/1)

Dated: 24-02-2022

Dated:

25-02-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Amreli 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 | 1.516 | 6 | 0.754 | 0.44 | 0.446 | 16.62 | 20.71 | 83290 | 82170 | 103830 | 102430 | 1.30 | 8.0 | 16.3 | |
| 2 | 1.516 | 6 | 0.754 | 0.44 | 0.446 | 16.69 | 20.74 | 83640 | 82520 | 103980 | 102580 | 1.30 | 8.0 | 16.3 | |
| 3 | 0.596 | 4 | 0.472 | 0.20 | 0.175 | 6.88 | 7.72 | 75880 | 86720 | 85100 | 97250 | 1.00 | 8.0 | 12.5 | |
| 4 | 0.598 | 4 | 0.473 | 0.20 | 0.176 | 6.42 | 8.02 | 70820 | 80480 | 88470 | 100530 | 1.00 | 8.0 | 12.5 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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

Muhammad Irfan

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Project Engr.Sector-G DHA Gujranwala.(Deputy General Manager(Works0 HRL,GHA Gwa)

Client Reference: 111/15/PE/RS/Pkg-1/112

SOM Lab

5948 (Page-

Ref:

1/1)

Dated: 24-02-2022

Dated:

25-02-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Batala 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 | 3.322 | 9 | 1.115 | 1.00 | 0.976 | 29.53 | 42.43 | 65130 | 66730 | 93570 | 95870 | 1.30 | 8.0 | 16.3 | |
| 2 | 3.300 | 9 | 1.111 | 1.00 | 0.970 | 30.14 | 42.38 | 66480 | 68540 | 93460 | 96350 | 1.40 | 8.0 | 17.5 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Witnessed By:

M. Azam (Lab Technician)

BEND TEST:

9

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

Tahir Mehmood

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

CE Zaitoon, New Lahore city, (Construction Of 27 Com Plaza Ph-III NLC)

Client Reference: NLC/CE/Const/029

SOM Lab

5949 (Page-

Ref:

1/1)

Dated: 21-02-2022

Dated:

25-02-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Bataala 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 | 2.629 | 8 | 0.992 | 0.79 | 0.773 | 23.52 | 35.34 | 65650 | 67100 | 98660 | 100830 | 1.20 | 8.0 | 15.0 | |
| 2 | 2.639 | 8 | 0.994 | 0.79 | 0.776 | 23.72 | 35.85 | 66220 | 67420 | 100090 | 101890 | 1.20 | 8.0 | 15.0 | |
| 3 | 1.456 | 6 | 0.738 | 0.44 | 0.428 | 12.33 | 18.17 | 61830 | 63560 | 91050 | 93610 | 1.30 | 8.0 | 16.3 | |
| 4 | 1.524 | 6 | 0.755 | 0.44 | 0.448 | 12.92 | 18.76 | 64740 | 63580 | 94020 | 92340 | 1.60 | 8.0 | 20.0 | |
| 5 | 0.656 | 4 | 0.496 | 0.20 | 0.193 | 6.19 | 8.38 | 68230 | 70710 | 92400 | 95750 | 1.30 | 8.0 | 16.3 | |
| 6 | 0.646 | 4 | 0.492 | 0.20 | 0.190 | 6.19 | 8.41 | 68230 | 71830 | 92740 | 97620 | 1.20 | 8.0 | 15.0 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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

Muhammad Nasim

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

AE B&R For GE(Army)-II LRC Lahore.(Const. Of 1 X 128 Men SM Bk,15 MP,11 Div Lhr)

Client Reference: 6003/60/E6

SOM Lab

5951 (Page-

Ref:

1a/1)

Dated: 24-02-2022

Dated:

25-02-2022

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 | 2.674 | 8 | 1.000 | 0.79 | 0.786 | 23.87 | 38.58 | 66650 | 66990 | 107710 | 108260 | 1.40 | 8.0 | 17.5 | |
| 2 | 2.632 | 8 | 0.992 | 0.79 | 0.773 | 23.65 | 37.33 | 66020 | 67480 | 104210 | 106510 | 1.50 | 8.0 | 18.8 | |
| 3 | 1.500 | 6 | 0.749 | 0.44 | 0.441 | 14.09 | 22.12 | 70620 | 70460 | 110880 | 110630 | 1.30 | 8.0 | 16.3 | |
| 4 | 1.520 | 6 | 0.754 | 0.44 | 0.447 | 14.17 | 22.27 | 71020 | 69910 | 111640 | 109890 | 1.30 | 8.0 | 16.3 | |
| 5 | 0.984 | 5 | 0.607 | 0.31 | 0.289 | 9.12 | 14.37 | 64910 | 69630 | 102260 | 109690 | 1.10 | 8.0 | 13.8 | |
| 6 | 0.989 | 5 | 0.609 | 0.31 | 0.291 | 9.25 | 14.42 | 65780 | 70070 | 102620 | 109320 | 1.10 | 8.0 | 13.8 | |
| 7 | 0.641 | 4 | 0.489 | 0.20 | 0.188 | 6.27 | 9.53 | 69130 | 73550 | 105100 | 111810 | 1.10 | 8.0 | 13.8 | |
| 8 | 0.640 | 4 | 0.489 | 0.20 | 0.188 | 6.42 | 9.48 | 70820 | 75340 | 104540 | 111210 | 1.10 | 8.0 | 13.8 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

BEND TEST:

| | |
|-----|--|
| # 8 | Sample bend through 180 degrees Satisfactorily without any crack |
| # 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:-

Only Twelve Samples Received and Tested

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

Muhammad Nasim

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

AE B&R For GE(Army)-II LRC Lahore.(Const. Of 1 X 128 Men SM Bk,15 MP,11 Div Lhr)

Client Reference: 6003/60/E6

SOM Lab

5951 (Page-

Ref:

1b/1)

Dated: 24-02-2022

Dated:

25-02-2022

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 | 1.490 | 6 | 0.747 | 0.44 | 0.438 | 11.26 | 16.94 | 56460 | 56720 | 84920 | 85310 | 1.60 | 8.0 | 20.0 | |
| 2 | 1.477 | 6 | 0.743 | 0.44 | 0.434 | 11.21 | 16.84 | 56210 | 56980 | 84410 | 85580 | 1.50 | 8.0 | 18.8 | |
| 3 | 0.635 | 4 | 0.488 | 0.20 | 0.187 | 5.78 | 8.79 | 63740 | 68170 | 96900 | 103630 | 1.20 | 8.0 | 15.0 | |
| 4 | 0.623 | 4 | 0.483 | 0.20 | 0.183 | 6.83 | 9.99 | 75320 | 82310 | 110160 | 120390 | 1.00 | 8.0 | 12.5 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

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

Shahzad Wahid

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

XEN GE(Army)-I Gwa.(Const. Of 8 X D type Flats(G+3) At Gwa Cantt)

Client Reference: 6180-2424/44/E-6

SOM Lab

5952 (Page-

Ref:

1/1)

Dated: 16-02-2022

Dated:

25-02-2022

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 | 2.589 | 8 | 0.984 | 0.79 | 0.761 | 23.98 | 33.35 | 66940 | 69490 | 93120 | 96660 | 1.50 | 8.0 | 18.8 | |
| 2 | 2.550 | 8 | 0.977 | 0.79 | 0.749 | 24.28 | 33.76 | 67790 | 71500 | 94250 | 99410 | 1.60 | 8.0 | 20.0 | |
| 3 | 1.482 | 6 | 0.745 | 0.44 | 0.436 | 14.29 | 18.32 | 71640 | 72290 | 91820 | 92660 | 1.20 | 8.0 | 15.0 | |
| 4 | 1.477 | 6 | 0.743 | 0.44 | 0.434 | 14.07 | 18.25 | 70510 | 71490 | 91460 | 92730 | 1.60 | 8.0 | 20.0 | |
| 5 | 1.048 | 5 | 0.626 | 0.31 | 0.308 | 10.37 | 13.68 | 73760 | 74240 | 97330 | 97960 | 1.10 | 8.0 | 13.8 | |
| 6 | 1.052 | 5 | 0.627 | 0.31 | 0.309 | 10.55 | 14.02 | 75060 | 75310 | 99720 | 100040 | 1.10 | 8.0 | 13.8 | |
| 7 | 0.668 | 4 | 0.500 | 0.20 | 0.196 | 6.39 | 8.28 | 70480 | 71920 | 91280 | 93140 | 1.40 | 8.0 | 17.5 | |
| 8 | 0.661 | 4 | 0.497 | 0.20 | 0.194 | 6.29 | 8.18 | 69360 | 71500 | 90150 | 92940 | 1.50 | 8.0 | 18.8 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

BEND TEST:

| | | |
|----|------------------------|---|
| -- | No Bend test performed | Note:- Only Eight Samples Received and Tested |
| | | |
| | | |
| | | |

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

Sub Divisional officer,

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

BSD Shujabad.(Const. Of Building For Govt. Girls high School At Kotla Tolay Khan,Multan)

Client Reference: 524/Shujabad

SOM Lab

5953 (Page-

Ref:

1/1)

Dated: 31-12-2021

Dated:

25-02-2022

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 | 2.644 | 8 | 0.995 | 0.79 | 0.777 | 23.19 | 34.48 | 64740 | 65830 | 96250 | 97860 | 1.70 | 8.0 | 21.3 | |
| 2 | 1.517 | 6 | 0.754 | 0.44 | 0.446 | 17.76 | 22.07 | 89010 | 87810 | 110620 | 109130 | 1.00 | 8.0 | 12.5 | |
| 3 | 0.693 | 4 | 0.510 | 0.20 | 0.204 | 6.85 | 9.14 | 75540 | 74060 | 100830 | 98850 | 1.20 | 8.0 | 15.0 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

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. Asad Ali Gillani

Muhammad Javed
Project Manager,
Pearl Continental Hotel(PCH), Multan.

Client Reference No.: Nil

Dated: 23-02-2022

SOM Lab Ref: CED/SOM/5945 (Page-1/1)

Dated: 25-02-2022

Test Type: Tensile Test

Sample Type: Anchor Bolt- M16

Tensile Test Results:-

| Sample No. | Sample Type | Tested Diameter of Bolt (mm) | Ultimate Load (kN) | Ultimate Tensile Stress (MPa) | % Elongation |
|-------------------|--------------------|-------------------------------------|---------------------------|--------------------------------------|---------------------|
| 1 | Anchor Bolt (M16) | 12.6 | 80.0 | 640 | 30.0 |

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

Test Performed by: Dr. S. Asad Ali Gillani

Engr. Wasim Bari
RE ACE-TES Consultant Pvt. Ltd.
Tehsil Dagger Buner (Elai Bridge)

Reference No.: ACE/KPHA/EBC/2021/82
SOM Lab Ref: CED/SOM/5950(Page-1/1)

Dated: 24-02-2022
Dated: 25-02-2022

Test: Tensile Test, Elongation at Break, Tear Test, Hardness Test & Comp. Set Test

Sample Type: Elastomeric Bearing Pad

TENSILE STRENGTH AND ELONGATION TEST. (AS PER ASTM-D-412)

| S. No | Sample Size (mm) | Ultimate Load (kN) | Tensile Strength (Mpa) | Tensile Strength (kg/cm ²) | Elongation at Break(%) |
|-------|---------------------|-----------------------|---------------------------|---|------------------------|
| 1 | 9.9 x 2.7 | 1.0 | 37.41 | 381.46 | 520.0 |
| 2 | 9.9 x 2.7 | 0.9 | 33.67 | 343.33 | 510.0 |

TEAR STRENGTH (AS PER ASTM-D-624)

| S. No | Sample Size (mm) | Ultimate Load (kN) | Tear Strength (N/mm) |
|-------|---------------------|-----------------------|-------------------------|
| 1 | 12.0 x 2.9 | 0.60 | 206.8 |
| 2 | 12.0 x 2.9 | 0.65 | 224.1 |

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

| S. No. | Thickness of Sample (mm) | Final Thickness (mm) | Compression set (%) |
|--------|-----------------------------|-------------------------|------------------------|
| 1 | 2.70 | 2.64 | 2.2 |

- HARDNESS TEST (AS PER ASTM-D-2240)

| S. No | Sample Type | Hardness (Shore A) |
|-------|-------------------------|--------------------|
| 1 | Elastomeric Bearing Pad | 63.66 |

