

VIRGIN85A



MSB85A 1.5



MSB85A 3.0



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| No.       | Date     | Time     | Specimen | Type | Area<br>(sq in) | Flat<br>Width<br>(in) | Flat<br>Thickness<br>(in) | MM | Gauge<br>Length<br>(in) | Auto<br>Elongation<br>% | Maximum<br>Load<br>(lb) | Maximum<br>Stress<br>(psi) |
|-----------|----------|----------|----------|------|-----------------|-----------------------|---------------------------|----|-------------------------|-------------------------|-------------------------|----------------------------|
| 1         | 05-23-24 | 09:21:13 | MSB 1.5  | Flat | 0.0217          | 0.242                 | .090                      | 2  | 1.000                   | 697.58                  | 52.01                   | 2393                       |
| 2         | 05-23-24 | 09:26:01 | MSB 3.0  | Flat | 0.0225          | 0.253                 | .089                      | 2  | 1.000                   | N/A                     | 41.63                   | 1849                       |
| 3         | 05-23-24 | 09:34:43 | Virgin   | Flat | 0.0223          | 0.252                 | .089                      | 2  | 1.000                   | 702.13                  | 88.13                   | 3952                       |
| High:     |          |          |          |      |                 |                       |                           |    | 1.000                   | 702.13                  | 88.13                   | 3952                       |
| Mean:     |          |          |          |      |                 |                       |                           |    | 1.000                   | 699.85                  | 48.73                   | 2198                       |
| Median:   |          |          |          |      |                 |                       |                           |    | 1.000                   | 699.85                  | 46.82                   | 2121                       |
| Low:      |          |          |          |      |                 |                       |                           |    | 1.000                   | 697.58                  | 13.16                   | 598                        |
| Range:    |          |          |          |      |                 |                       |                           |    | 1.000                   | 4.55                    | 74.97                   | 3354                       |
| Std. Dev: |          |          |          |      |                 |                       |                           |    | 1.000                   | 3.22                    | 30.98                   | 1390                       |
| +3 Sigma: |          |          |          |      |                 |                       |                           |    | 1.000                   | 709.52                  | 141.67                  | 6368                       |
| -3Sigma:  |          |          |          |      |                 |                       |                           |    | 1.000                   | 690.19                  | -44.20                  | -1972                      |

| No.       | Date     | Time     | Specimen | Secant<br>Modulus<br>(psi) | Stress at<br>100.0%<br>(psi) | Stress at<br>Break<br>(psi) | Stress at<br>300%<br>(psi) |
|-----------|----------|----------|----------|----------------------------|------------------------------|-----------------------------|----------------------------|
| 1         | 05-23-24 | 09:21:13 | MSB 1.5  | 850                        | 772                          | 2393                        | 1168                       |
| 2         | 05-23-24 | 09:26:01 | MSB 3.0  | 735                        | 561                          | 2310                        | 925                        |
| 3         | 05-23-24 | 09:34:43 | Virgin   | 883                        | 811                          | 3948                        | 1176                       |
| High:     |          |          |          | 883                        | 811                          | 3948                        | 1176                       |
| Mean:     |          |          |          | 777                        | 660                          | 2754                        | 955                        |
| Median:   |          |          |          | 793                        | 667                          | 2379                        | 1047                       |
| Low:      |          |          |          | 637                        | 496                          | 2310                        | 550                        |
| Range:    |          |          |          | 245                        | 315                          | 1635                        | 626                        |
| Std. Dev: |          |          |          | 112                        | 155                          | 797                         | 294                        |
| +3 Sigma: |          |          |          | 1113                       | 1126                         | 5144                        | 1836                       |
| -3Sigma:  |          |          |          | 440                        | 194                          | 363                         | 74                         |

