

LDEOC Polyacrylate

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All Valid Reference Data and All Valid Batch 8 & 9 Runs
Analyzed by Elastomer Batch

The GLM Procedure

Class Level Information

| Class | Levels | Values |
|-----------------------------|--------|-------------------|
| SPECIAL | 9 | 1 2 3 4 5 6 7 8 9 |
| Number of Observations Read | | 321 |
| Number of Observations Used | | 321 |

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The GLM Procedure

Dependent Variable: VOLC

| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
|-----------------|-----|----------------|-------------|---------|--------|
| Model | 8 | 129.4776797 | 16.1847100 | 50.88 | <.0001 |
| Error | 312 | 99.2362499 | 0.3180649 | | |
| Corrected Total | 320 | 228.7139296 | | | |

| | | | |
|----------|-----------|----------|-----------|
| R-Square | Coeff Var | Root MSE | VOLC Mean |
| 0.566112 | 18.20565 | 0.563972 | 3.097788 |

| Source | DF | Type I SS | Mean Square | F Value | Pr > F |
|---------|----|-------------|-------------|---------|--------|
| SPECIAL | 8 | 129.4776797 | 16.1847100 | 50.88 | <.0001 |

| Source | DF | Type III SS | Mean Square | F Value | Pr > F |
|---------|----|-------------|-------------|---------|--------|
| SPECIAL | 8 | 129.4776797 | 16.1847100 | 50.88 | <.0001 |

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The GLM Procedure

Dependent Variable: HARD

| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
|-----------------|-----|----------------|-------------|---------|--------|
| Model | 8 | 538.135925 | 67.266991 | 36.54 | <.0001 |
| Error | 312 | 574.356287 | 1.840886 | | |
| Corrected Total | 320 | 1112.492212 | | | |

| | | | |
|----------|-----------|----------|-----------|
| R-Square | Coeff Var | Root MSE | HARD Mean |
| 0.483721 | -44.21628 | 1.356792 | -3.068536 |

| Source | DF | Type I SS | Mean Square | F Value | Pr > F |
|---------|----|-------------|-------------|---------|--------|
| SPECIAL | 8 | 538.1359251 | 67.2669906 | 36.54 | <.0001 |

| Source | DF | Type III SS | Mean Square | F Value | Pr > F |
|---------|----|-------------|-------------|---------|--------|
| SPECIAL | 8 | 538.1359251 | 67.2669906 | 36.54 | <.0001 |

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The GLM Procedure

Dependent Variable: TENS

| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
|-----------------|-----|----------------|-------------|---------|--------|
| Model | 8 | 409.86212 | 51.23277 | 0.72 | 0.6762 |
| Error | 312 | 22284.20174 | 71.42372 | | |
| Corrected Total | 320 | 22694.06387 | | | |

| | | | |
|----------|-----------|----------|-----------|
| R-Square | Coeff Var | Root MSE | TENS Mean |
| 0.018060 | -329.2617 | 8.451256 | -2.566729 |

| Source | DF | Type I SS | Mean Square | F Value | Pr > F |
|---------|----|-------------|-------------|---------|--------|
| SPECIAL | 8 | 409.8621234 | 51.2327654 | 0.72 | 0.6762 |

| Source | DF | Type III SS | Mean Square | F Value | Pr > F |
|---------|----|-------------|-------------|---------|--------|
| SPECIAL | 8 | 409.8621234 | 51.2327654 | 0.72 | 0.6762 |

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Analyzed by Elastomer Batch

The GLM Procedure

Least Squares Means

| SPECIAL | VOLC LSMEAN | LSMEAN Number |
|---------|-------------|------------------|
| 1 | 3.85400000 | 1 |
| 2 | 4.00555556 | 2 |
| 3 | 4.03325581 | 3 |
| 4 | 3.79000000 | 4 |
| 5 | 2.70957447 | 5 |
| 6 | 3.44938462 | 6 |
| 7 | 2.54321839 | 7 |
| 8 | 2.32666667 | 8 |
| 9 | 2.61000000 | 9 |

Least Squares Means for effect SPECIAL

Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: VOLC

| i/j | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 9 | | | | | | | | |
| 1 | | 0.4684 | 0.3660 | 0.9139 | <.0001 | 0.0355 | <.0001 | <.0001 |
| <.0001 | | | | | | | | |
| 2 | 0.4684 | | 0.8416 | 0.7077 | <.0001 | <.0001 | <.0001 | <.0001 |
| <.0001 | | | | | | | | |
| 3 | 0.3660 | 0.8416 | | 0.6701 | <.0001 | <.0001 | <.0001 | <.0001 |
| <.0001 | | | | | | | | |
| 4 | 0.9139 | 0.7077 | 0.6701 | | 0.0589 | 0.5494 | 0.0287 | 0.0111 |
| 0.0494 | | | | | | | | |
| 5 | <.0001 | <.0001 | <.0001 | 0.0589 | | <.0001 | 0.1042 | 0.0030 |
| 0.6447 | | | | | | | | |
| 6 | 0.0355 | <.0001 | <.0001 | 0.5494 | <.0001 | | <.0001 | <.0001 |
| <.0001 | | | | | | | | |
| 7 | <.0001 | <.0001 | <.0001 | 0.0287 | 0.1042 | <.0001 | | 0.0613 |
| 0.7488 | | | | | | | | |
| 8 | <.0001 | <.0001 | <.0001 | 0.0111 | 0.0030 | <.0001 | 0.0613 | |
| 0.2033 | | | | | | | | |
| 9 | <.0001 | <.0001 | <.0001 | 0.0494 | 0.6447 | <.0001 | 0.7488 | 0.2033 |

| SPECIAL | HARD LSMEAN | LSMEAN Number |
|---------|-------------|------------------|
| 1 | -5.20000000 | 1 |
| 2 | -5.62962963 | 2 |
| 3 | -4.86046512 | 3 |
| 4 | -5.00000000 | 4 |
| 5 | -1.55319149 | 5 |

| | | |
|---|-------------|---|
| 6 | -2.93846154 | 6 |
| 7 | -2.44827586 | 7 |
| 8 | -2.18181818 | 8 |

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The GLM Procedure
 Least Squares Means

| SPECIAL | HARD LSMEAN | LSMEAN Number |
|---------|-------------|---------------|
| 9 | -2.25000000 | 9 |

Least Squares Means for effect SPECIAL
 Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: HARD

| i/j | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 9 | | | | | | | | |
| 1 | | 0.3930 | 0.4765 | 0.8883 | <.0001 | <.0001 | <.0001 | <.0001 |
| <.0001 | | | | | | | | |
| 2 | 0.3930 | | 0.0216 | 0.6489 | <.0001 | <.0001 | <.0001 | <.0001 |
| <.0001 | | | | | | | | |
| 3 | 0.4765 | 0.0216 | | 0.9191 | <.0001 | <.0001 | <.0001 | <.0001 |
| <.0001 | | | | | | | | |
| 4 | 0.8883 | 0.6489 | 0.9191 | | 0.0124 | 0.1326 | 0.0624 | 0.0416 |
| 0.0569 | | | | | | | | |
| 5 | <.0001 | <.0001 | <.0001 | 0.0124 | | <.0001 | 0.0003 | 0.0422 |
| 0.1803 | | | | | | | | |
| 6 | <.0001 | <.0001 | <.0001 | 0.1326 | <.0001 | | 0.0283 | 0.0095 |
| 0.1766 | | | | | | | | |
| 7 | <.0001 | <.0001 | <.0001 | 0.0624 | 0.0003 | 0.0283 | | 0.3375 |
| 0.6927 | | | | | | | | |
| 8 | <.0001 | <.0001 | <.0001 | 0.0416 | 0.0422 | 0.0095 | 0.3375 | |
| 0.8986 | | | | | | | | |
| 9 | <.0001 | <.0001 | <.0001 | 0.0569 | 0.1803 | 0.1766 | 0.6927 | 0.8986 |

| SPECIAL | TENS LSMEAN | LSMEAN Number |
|---------|-------------|---------------|
| 1 | -5.71000000 | 1 |
| 2 | -1.67037037 | 2 |
| 3 | -3.86302326 | 3 |
| 4 | -0.70000000 | 4 |
| 5 | -0.91829787 | 5 |
| 6 | -1.88169231 | 6 |
| 7 | -3.26229885 | 7 |
| 8 | -2.85666667 | 8 |
| 9 | -1.41875000 | 9 |

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The GLM Procedure

Least Squares Means

Least Squares Means for effect SPECIAL

Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: TENS

| i/j | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 9 | | | | | | | | |
| 1 | | 0.1976 | 0.5341 | 0.5723 | 0.1045 | 0.1833 | 0.3864 | 0.3504 |
| 0.2852 | | | | | | | | |
| 2 | 0.1976 | | 0.2915 | 0.9103 | 0.7127 | 0.9131 | 0.3932 | 0.5889 |
| 0.9411 | | | | | | | | |
| 3 | 0.5341 | 0.2915 | | 0.7116 | 0.0997 | 0.2339 | 0.7032 | 0.6072 |
| 0.4531 | | | | | | | | |
| 4 | 0.5723 | 0.9103 | 0.7116 | | 0.9796 | 0.8897 | 0.7633 | 0.8017 |
| 0.9361 | | | | | | | | |
| 5 | 0.1045 | 0.7127 | 0.0997 | 0.9796 | | 0.5520 | 0.1265 | 0.3133 |
| 0.8771 | | | | | | | | |
| 6 | 0.1833 | 0.9131 | 0.2339 | 0.8897 | 0.5520 | | 0.3198 | 0.5898 |
| 0.8839 | | | | | | | | |
| 7 | 0.3864 | 0.3932 | 0.7032 | 0.7633 | 0.1265 | 0.3198 | | 0.8145 |
| 0.5553 | | | | | | | | |
| 8 | 0.3504 | 0.5889 | 0.6072 | 0.8017 | 0.3133 | 0.5898 | 0.8145 | |
| 0.6662 | | | | | | | | |
| 9 | 0.2852 | 0.9411 | 0.4531 | 0.9361 | 0.8771 | 0.8839 | 0.5553 | 0.6662 |

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

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The GLM Procedure

Class Level Information

| Class | Levels | Values |
|---------|--------|-----------|
| LTMSLAB | 5 | A B E G I |

| | |
|-----------------------------|-----|
| Number of Observations Read | 321 |
| Number of Observations Used | 321 |

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All Valid Reference Data and All Valid Batch 8 & 9 Runs

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The GLM Procedure

Dependent Variable: VOLC

| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
|-----------------|-----|----------------|-------------|---------|--------|
| Model | 4 | 18.6394098 | 4.6598524 | 7.01 | <.0001 |
| Error | 316 | 210.0745198 | 0.6647928 | | |
| Corrected Total | 320 | 228.7139296 | | | |

| | | | |
|----------|-----------|----------|-----------|
| R-Square | Coeff Var | Root MSE | VOLC Mean |
| 0.081497 | 26.32034 | 0.815348 | 3.097788 |

| Source | DF | Type I SS | Mean Square | F Value | Pr > F |
|---------|----|-------------|-------------|---------|--------|
| LTMSLAB | 4 | 18.63940978 | 4.65985245 | 7.01 | <.0001 |

| Source | DF | Type III SS | Mean Square | F Value | Pr > F |
|---------|----|-------------|-------------|---------|--------|
| LTMSLAB | 4 | 18.63940978 | 4.65985245 | 7.01 | <.0001 |

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The GLM Procedure

Dependent Variable: HARD

| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
|-----------------|-----|----------------|-------------|---------|--------|
| Model | 4 | 154.010901 | 38.502725 | 12.69 | <.0001 |
| Error | 316 | 958.481311 | 3.033169 | | |
| Corrected Total | 320 | 1112.492212 | | | |

| | | | |
|----------|-----------|----------|-----------|
| R-Square | Coeff Var | Root MSE | HARD Mean |
| 0.138438 | -56.75669 | 1.741599 | -3.068536 |

| Source | DF | Type I SS | Mean Square | F Value | Pr > F |
|---------|----|-------------|-------------|---------|--------|
| LTMSLAB | 4 | 154.0109009 | 38.5027252 | 12.69 | <.0001 |

| Source | DF | Type III SS | Mean Square | F Value | Pr > F |
|---------|----|-------------|-------------|---------|--------|
| LTMSLAB | 4 | 154.0109009 | 38.5027252 | 12.69 | <.0001 |

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All Valid Reference Data and All Valid Batch 8 & 9 Runs

Analyzed by Lab

The GLM Procedure

Dependent Variable: TENS

| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
|-----------------|-----|----------------|-------------|---------|--------|
| Model | 4 | 205.92544 | 51.48136 | 0.72 | 0.5765 |
| Error | 316 | 22488.13842 | 71.16500 | | |
| Corrected Total | 320 | 22694.06387 | | | |

| R-Square | Coeff Var | Root MSE | TENS Mean |
|----------|-----------|----------|-----------|
| 0.009074 | -328.6648 | 8.435935 | -2.566729 |

| Source | DF | Type I SS | Mean Square | F Value | Pr > F |
|---------|----|-------------|-------------|---------|--------|
| LTMSLAB | 4 | 205.9254412 | 51.4813603 | 0.72 | 0.5765 |

| Source | DF | Type III SS | Mean Square | F Value | Pr > F |
|---------|----|-------------|-------------|---------|--------|
| LTMSLAB | 4 | 205.9254412 | 51.4813603 | 0.72 | 0.5765 |

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The GLM Procedure

Least Squares Means

| LTMSLAB | VOLC LSMEAN | LSMEAN Number |
|---------|-------------|------------------|
| A | 2.96788462 | 1 |
| B | 3.17014706 | 2 |
| E | 2.40545455 | 3 |
| G | 3.00964706 | 4 |
| I | 3.54490566 | 5 |

Least Squares Means for effect LTMSLAB

Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: VOLC

| i/j | 1 | 2 | 3 | 4 | 5 |
|-----|--------|--------|--------|--------|--------|
| 1 | | 0.1127 | 0.0303 | 0.7263 | <.0001 |
| 2 | 0.1127 | | 0.0042 | 0.2272 | 0.0126 |
| 3 | 0.0303 | 0.0042 | | 0.0214 | <.0001 |
| 4 | 0.7263 | 0.2272 | 0.0214 | | 0.0002 |
| 5 | <.0001 | 0.0126 | <.0001 | 0.0002 | |

| LTMSLAB | HARD LSMEAN | LSMEAN Number |
|---------|-------------|------------------|
| A | -3.32692308 | 1 |
| B | -3.86764706 | 2 |
| E | -4.54545455 | 3 |
| G | -2.14117647 | 4 |
| I | -2.71698113 | 5 |

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The GLM Procedure
Least Squares Means

Least Squares Means for effect LTMSLAB
Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: HARD

| i/j | 1 | 2 | 3 | 4 | 5 |
|-----|--------|--------|--------|--------|--------|
| 1 | | 0.0474 | 0.0281 | <.0001 | 0.0388 |
| 2 | 0.0474 | | 0.2320 | <.0001 | 0.0004 |
| 3 | 0.0281 | 0.2320 | | <.0001 | 0.0017 |
| 4 | <.0001 | <.0001 | <.0001 | | 0.0598 |
| 5 | 0.0388 | 0.0004 | 0.0017 | 0.0598 | |

| LTMSLAB | TENS LSMEAN | LSMEAN Number |
|---------|-------------|---------------|
| A | -2.50673077 | 1 |
| B | -1.41764706 | 2 |
| E | -1.08363636 | 3 |
| G | -3.58235294 | 4 |
| I | -2.83773585 | 5 |

Least Squares Means for effect LTMSLAB
Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: TENS

| i/j | 1 | 2 | 3 | 4 | 5 |
|-----|--------|--------|--------|--------|--------|
| 1 | | 0.4084 | 0.5951 | 0.3839 | 0.8163 |
| 2 | 0.4084 | | 0.9031 | 0.1158 | 0.3589 |
| 3 | 0.5951 | 0.9031 | | 0.3560 | 0.5307 |
| 4 | 0.3839 | 0.1158 | 0.3560 | | 0.6144 |
| 5 | 0.8163 | 0.3589 | 0.5307 | 0.6144 | |

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

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The GLM Procedure

Class Level Information

| Class | Levels | Values |
|---------|--------|-------------------|
| SPECIAL | 9 | 1 2 3 4 5 6 7 8 9 |
| LTMSLAB | 5 | A B E G I |

| | |
|-----------------------------|-----|
| Number of Observations Read | 321 |
| Number of Observations Used | 321 |

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The GLM Procedure

Dependent Variable: VOLC

| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
|-----------------|-----|----------------|-------------|---------|--------|
| Model | 33 | 177.0710157 | 5.3657884 | 29.82 | <.0001 |
| Error | 287 | 51.6429139 | 0.1799405 | | |
| Corrected Total | 320 | 228.7139296 | | | |

| | | | |
|----------|-----------|----------|-----------|
| R-Square | Coeff Var | Root MSE | VOLC Mean |
| 0.774203 | 13.69344 | 0.424194 | 3.097788 |

| Source | DF | Type I SS | Mean Square | F Value | Pr > F |
|-----------------|----|-------------|-------------|---------|--------|
| SPECIAL | 8 | 129.4776797 | 16.1847100 | 89.94 | <.0001 |
| LTMSLAB | 4 | 11.7574674 | 2.9393668 | 16.34 | <.0001 |
| SPECIAL*LTMSLAB | 21 | 35.8358686 | 1.7064699 | 9.48 | <.0001 |

| Source | DF | Type III SS | Mean Square | F Value | Pr > F |
|-----------------|----|-------------|-------------|---------|--------|
| SPECIAL | 8 | 46.14339222 | 5.76792403 | 32.05 | <.0001 |
| LTMSLAB | 4 | 3.33350991 | 0.83337748 | 4.63 | 0.0012 |
| SPECIAL*LTMSLAB | 21 | 35.83586864 | 1.70646994 | 9.48 | <.0001 |

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The GLM Procedure

Dependent Variable: HARD

| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
|-----------------|-----|----------------|-------------|---------|--------|
| Model | 33 | 778.136369 | 23.579890 | 20.24 | <.0001 |
| Error | 287 | 334.355843 | 1.165003 | | |
| Corrected Total | 320 | 1112.492212 | | | |

| | | | |
|----------|-----------|----------|-----------|
| R-Square | Coeff Var | Root MSE | HARD Mean |
| 0.699453 | -35.17485 | 1.079353 | -3.068536 |

| Source | DF | Type I SS | Mean Square | F Value | Pr > F |
|-----------------|----|-------------|-------------|---------|--------|
| SPECIAL | 8 | 538.1359251 | 67.2669906 | 57.74 | <.0001 |
| LTMSLAB | 4 | 154.1292392 | 38.5323098 | 33.07 | <.0001 |
| SPECIAL*LTMSLAB | 21 | 85.8712048 | 4.0891050 | 3.51 | <.0001 |

| Source | DF | Type III SS | Mean Square | F Value | Pr > F |
|-----------------|----|-------------|-------------|---------|--------|
| SPECIAL | 8 | 215.5000641 | 26.9375080 | 23.12 | <.0001 |
| LTMSLAB | 4 | 107.8003487 | 26.9500872 | 23.13 | <.0001 |
| SPECIAL*LTMSLAB | 21 | 85.8712048 | 4.0891050 | 3.51 | <.0001 |

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The GLM Procedure

Dependent Variable: TENS

| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
|-----------------|-----|----------------|-------------|---------|--------|
| Model | 33 | 2364.62165 | 71.65520 | 1.01 | 0.4549 |
| Error | 287 | 20329.44222 | 70.83429 | | |
| Corrected Total | 320 | 22694.06387 | | | |

| | | | |
|----------|-----------|----------|-----------|
| R-Square | Coeff Var | Root MSE | TENS Mean |
| 0.104196 | -327.9003 | 8.416311 | -2.566729 |

| Source | DF | Type I SS | Mean Square | F Value | Pr > F |
|-----------------|----|-------------|-------------|---------|--------|
| SPECIAL | 8 | 409.862123 | 51.232765 | 0.72 | 0.6709 |
| LTMSLAB | 4 | 224.645884 | 56.161471 | 0.79 | 0.5306 |
| SPECIAL*LTMSLAB | 21 | 1730.113642 | 82.386364 | 1.16 | 0.2832 |

| Source | DF | Type III SS | Mean Square | F Value | Pr > F |
|-----------------|----|-------------|-------------|---------|--------|
| SPECIAL | 8 | 247.601027 | 30.950128 | 0.44 | 0.8984 |
| LTMSLAB | 4 | 70.058912 | 17.514728 | 0.25 | 0.9112 |
| SPECIAL*LTMSLAB | 21 | 1730.113642 | 82.386364 | 1.16 | 0.2832 |

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The GLM Procedure
Least Squares Means

| SPECIAL | VOLC LSMEAN | LSMEAN Number |
|---------|-------------|---------------|
| 1 | Non-est | 1 |
| 2 | Non-est | 2 |
| 3 | 3.90796162 | 3 |
| 4 | Non-est | 4 |
| 5 | 2.72915385 | 5 |
| 6 | 2.94025429 | 6 |
| 7 | 2.57690087 | 7 |
| 8 | 2.40834848 | 8 |
| 9 | Non-est | 9 |

Least Squares Means for effect SPECIAL
Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: VOLC

| i/j | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|-----|---|---|--------|---|--------|--------|--------|--------|---|
| 1 | . | . | . | . | . | . | . | . | . |
| 2 | . | . | . | . | . | . | . | . | . |
| 3 | . | . | . | . | <.0001 | <.0001 | <.0001 | <.0001 | . |
| 4 | . | . | . | . | . | . | . | . | . |
| 5 | . | . | <.0001 | . | . | 0.1465 | 0.2074 | 0.0203 | . |
| 6 | . | . | <.0001 | . | 0.1465 | . | 0.0029 | 0.0001 | . |
| 7 | . | . | <.0001 | . | 0.2074 | 0.0029 | . | 0.1330 | . |
| 8 | . | . | <.0001 | . | 0.0203 | 0.0001 | 0.1330 | . | . |
| 9 | . | . | . | . | . | . | . | . | . |

| SPECIAL | HARD LSMEAN | LSMEAN Number |
|---------|-------------|---------------|
| 1 | Non-est | 1 |
| 2 | Non-est | 2 |
| 3 | -4.75939394 | 3 |
| 4 | Non-est | 4 |
| 5 | -2.09923077 | 5 |
| 6 | -3.60742857 | 6 |
| 7 | -2.76704506 | 7 |
| 8 | -2.66060606 | 8 |

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The GLM Procedure
 Least Squares Means

| SPECIAL | HARD LSMEAN | LSMEAN Number |
|---------|-------------|---------------|
| 9 | Non-est | 9 |

Least Squares Means for effect SPECIAL
 Pr > |t| for H0: LSMean(i)=LSMean(j)
 Dependent Variable: HARD

| i/j | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-----|---|---|--------|---|--------|--------|--------|--------|
| 9 | | | | | | | | |
| 1 | . | . | . | . | . | . | . | . |
| 2 | . | . | . | . | . | . | . | . |
| 3 | . | . | . | . | <.0001 | 0.0022 | <.0001 | <.0001 |
| 4 | . | . | . | . | . | . | . | . |
| 5 | . | . | <.0001 | . | . | <.0001 | 0.0302 | 0.1097 |
| 6 | . | . | 0.0022 | . | <.0001 | . | 0.0067 | 0.0074 |
| 7 | . | . | <.0001 | . | 0.0302 | 0.0067 | . | 0.7088 |
| 8 | . | . | <.0001 | . | 0.1097 | 0.0074 | 0.7088 | . |
| 9 | . | . | . | . | . | . | . | . |

| SPECIAL | TENS LSMEAN | LSMEAN Number |
|---------|-------------|---------------|
| 1 | Non-est | 1 |
| 2 | Non-est | 2 |
| 3 | -2.72783838 | 3 |
| 4 | Non-est | 4 |
| 5 | -1.81103846 | 5 |
| 6 | -1.08385714 | 6 |
| 7 | -3.41404028 | 7 |
| 8 | -2.41381818 | 8 |
| 9 | Non-est | 9 |

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All Valid Reference Data and All Valid Batch 8 & 9 Runs
 Analyzed by Elastomer Batch & Lab

The GLM Procedure
 Least Squares Means

Least Squares Means for effect SPECIAL
 Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: TENS

| i/j | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-----|---|---|--------|---|--------|--------|--------|--------|
| 9 | | | | | | | | |
| 1 | . | . | . | . | . | . | . | . |
| 2 | . | . | . | . | . | . | . | . |
| 3 | . | . | . | . | 0.7524 | 0.5728 | 0.7781 | 0.9096 |
| 4 | . | . | . | . | . | . | . | . |
| 5 | . | . | 0.7524 | . | . | 0.8006 | 0.5030 | 0.8253 |
| 6 | . | . | 0.5728 | . | 0.8006 | . | 0.3325 | 0.6273 |
| 7 | . | . | 0.7781 | . | 0.5030 | 0.3325 | . | 0.6526 |
| 8 | . | . | 0.9096 | . | 0.8253 | 0.6273 | 0.6526 | . |
| 9 | . | . | . | . | . | . | . | . |

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

| LTMSLAB | VOLC LSMEAN | HARD LSMEAN | TENS LSMEAN |
|---------|-------------|-------------|-------------|
| A | Non-est | Non-est | Non-est |
| B | Non-est | Non-est | Non-est |
| E | Non-est | Non-est | Non-est |
| G | Non-est | Non-est | Non-est |
| I | Non-est | Non-est | Non-est |

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All Valid Reference Data and All Valid Batch 8 & 9 Runs
Distribution of Data Set

The FREQ Procedure

Table of LTMSLAB by SPECIAL

| LTMSLAB | SPECIAL | | | | | | | | | Total |
|---------------------------------------------|---------|-------|-------|--------|-------|-------|-------|-------|-------|--------|
| Frequency, Percent Row Pct Col Pct | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| A | 10 | 4 | 5 | 0 | 13 | 28 | 38 | 4 | 2 | 104 |
| | 3.12 | 1.25 | 1.56 | 0.00 | 4.05 | 8.72 | 11.84 | 1.25 | 0.62 | 32.40 |
| | 9.62 | 3.85 | 4.81 | 0.00 | 12.50 | 26.92 | 36.54 | 3.85 | 1.92 | |
| | 100.00 | 14.81 | 11.63 | 0.00 | 27.66 | 43.08 | 43.68 | 12.12 | 25.00 | |
| B | 0 | 18 | 9 | 0 | 8 | 4 | 17 | 12 | 0 | 68 |
| | 0.00 | 5.61 | 2.80 | 0.00 | 2.49 | 1.25 | 5.30 | 3.74 | 0.00 | 21.18 |
| | 0.00 | 26.47 | 13.24 | 0.00 | 11.76 | 5.88 | 25.00 | 17.65 | 0.00 | |
| | 0.00 | 66.67 | 20.93 | 0.00 | 17.02 | 6.15 | 19.54 | 36.36 | 0.00 | |
| E | 0 | 0 | 1 | 0 | 1 | 1 | 3 | 2 | 3 | 11 |
| | 0.00 | 0.00 | 0.31 | 0.00 | 0.31 | 0.31 | 0.93 | 0.62 | 0.93 | 3.43 |
| | 0.00 | 0.00 | 9.09 | 0.00 | 9.09 | 9.09 | 27.27 | 18.18 | 27.27 | |
| | 0.00 | 0.00 | 2.33 | 0.00 | 2.13 | 1.54 | 3.45 | 6.06 | 37.50 | |
| G | 0 | 5 | 22 | 0 | 20 | 7 | 18 | 11 | 2 | 85 |
| | 0.00 | 1.56 | 6.85 | 0.00 | 6.23 | 2.18 | 5.61 | 3.43 | 0.62 | 26.48 |
| | 0.00 | 5.88 | 25.88 | 0.00 | 23.53 | 8.24 | 21.18 | 12.94 | 2.35 | |
| | 0.00 | 18.52 | 51.16 | 0.00 | 42.55 | 10.77 | 20.69 | 33.33 | 25.00 | |
| I | 0 | 0 | 6 | 1 | 5 | 25 | 11 | 4 | 1 | 53 |
| | 0.00 | 0.00 | 1.87 | 0.31 | 1.56 | 7.79 | 3.43 | 1.25 | 0.31 | 16.51 |
| | 0.00 | 0.00 | 11.32 | 1.89 | 9.43 | 47.17 | 20.75 | 7.55 | 1.89 | |
| | 0.00 | 0.00 | 13.95 | 100.00 | 10.64 | 38.46 | 12.64 | 12.12 | 12.50 | |
| Total | 10 | 27 | 43 | 1 | 47 | 65 | 87 | 33 | 8 | 321 |
| | 3.12 | 8.41 | 13.40 | 0.31 | 14.64 | 20.25 | 27.10 | 10.28 | 2.49 | 100.00 |