

EOEC Fluoroelastomer Average Percent Volume Change
10:20 Friday, June 29, 2012 89
All Valid Reference Data and All Valid Batch 8 Runs
Plotted by Lab

The GLM Procedure

Class Level Information

Class	Levels	Values
LTMSLAB	4	A B G I

Number of Observations Read	568
Number of Observations Used	568

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The GLM Procedure

Dependent Variable: VOLC

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	4.30505076	1.43501692	67.76	<.0001
Error	564	11.94395417	0.02117722		
Corrected Total	567	16.24900493			

R-Square	Coeff Var	Root MSE	VOLC Mean
0.264942	23.55589	0.145524	0.617782

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LTMSLAB	3	4.30505076	1.43501692	67.76	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
LTMSLAB	3	4.30505076	1.43501692	67.76	<.0001

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The GLM Procedure

Dependent Variable: HARD

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	937.861797	312.620599	192.46	<.0001
Error	564	916.136443	1.624355		
Corrected Total	567	1853.998239			

R-Square	Coeff Var	Root MSE	HARD Mean
0.505859	17.58361	1.274502	7.248239

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LTMSLAB	3	937.8617966	312.6205989	192.46	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
LTMSLAB	3	937.8617966	312.6205989	192.46	<.0001

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Dependent Variable: TENS

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	2346.739563	782.246521	70.80	<.0001
Error	564	6231.806617	11.049303		
Corrected Total	567	8578.546180			

R-Square	Coeff Var	Root MSE	TENS Mean
0.273559	-4.746123	3.324049	-70.03715

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LTMSLAB	3	2346.739563	782.246521	70.80	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
LTMSLAB	3	2346.739563	782.246521	70.80	<.0001

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The GLM Procedure

Dependent Variable: ELON

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	10135.84980	3378.61660	89.95	<.0001
Error	564	21185.54455	37.56302		
Corrected Total	567	31321.39435			

R-Square	Coeff Var	Root MSE	ELON Mean
0.323608	-9.816724	6.128868	-62.43292

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LTMSLAB	3	10135.84980	3378.61660	89.95	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
LTMSLAB	3	10135.84980	3378.61660	89.95	<.0001

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The GLM Procedure
 Least Squares Means

LTMSLAB	VOLC LSMEAN	LSMEAN Number
A	0.56745174	1
B	0.56178344	2
G	0.76383562	3
I	0.70166667	4

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

Dependent Variable: VOLC

i/j	1	2	3	4
1		0.7003	<.0001	0.0259
2	0.7003		<.0001	0.0212
3	<.0001	<.0001		0.3055
4	0.0259	0.0212	0.3055	

LTMSLAB	HARD LSMEAN	LSMEAN Number
A	7.88803089	1
B	8.19745223	2
G	5.07534247	3
I	7.66666667	4

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

Dependent Variable: HARD

i/j	1	2	3	4
1		0.0167	<.0001	0.6742
2	0.0167		<.0001	0.3172
3	<.0001	<.0001		<.0001
4	0.6742	0.3172	<.0001	

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The GLM Procedure
 Least Squares Means

LTMSLAB	TENS LSMEAN	LSMEAN Number
A	-71.8096525	1
B	-70.1707006	2
G	-66.8171233	3
I	-68.3833333	4

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

Dependent Variable: TENS

i/j	1	2	3	4
1		<.0001	<.0001	0.0128
2	<.0001		<.0001	0.1967
3	<.0001	<.0001		0.2585
4	0.0128	0.1967	0.2585	

LTMSLAB	ELON LSMEAN	LSMEAN Number
A	-64.7254826	1
B	-65.3343949	2
G	-55.2917808	3
I	-61.3166667	4

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

Dependent Variable: ELON

i/j	1	2	3	4
1		0.3264	<.0001	0.1786
2	0.3264		<.0001	0.1156
3	<.0001	<.0001		0.0186
4	0.1786	0.1156	0.0186	

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The GLM Procedure
Least Squares Means

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