

Table S3.

Analysis of variance for the response.

| Source | DF | Seq SS | Adj SS | Adj MS | F-Value | P-Value |
|-----------------------|-----------|---------------|---------------|---------------|----------------|----------------|
| Regression | 5 | 15346127 | 15346127 | 3069225 | 836.11 | 0.026 |
| Linear | 2 | 7605613 | 5378677 | 2689339 | 732.62 | 0.026 |
| Quadratic | 1 | 4584801 | 346116 | 346116 | 94.29 | 0.065 |
| Graphite*NPOE | 1 | 4584801 | 346116 | 346116 | 94.29 | 0.065 |
| Special Quartic | 1 | 641 | 1793257 | 1793257 | 488.51 | 0.029 |
| Graphite*PVC*PVC*NPOE | 1 | 641 | 1793257 | 1793257 | 488.51 | 0.029 |
| Full Quartic1 | 1 | 3155072 | 3155072 | 3155072 | 859.50 | 0.022 |
| PVC*NPOE*(-)2 | 1 | 3155072 | 3155072 | 3155072 | 859.50 | 0.022 |
| Residual Error | 1 | 3671 | 3671 | 3671 | | |
| Total | 6 | 15349798 | | | | |