0.0

-0.5

-1.0

Surface area 0.45 -1.2e-17 -0.38 0.73 -0.18 0.035 0.017 -0.088 0.1 0.033 -0.027 -0.043 -0.05 0.041 -0.22 Dipole moment 0.48 0.45 9e-18 -0.29 0.58 0.045 -0.012 0.19 -0.32 0.046 0.059 -0.29 0.18 -0.73 0.15 Chain length -7e-18 -1.2e-17 9e-18 -0.47 -0.011 -0.00034 0.89 -0.55 0.081 0.23 0.046 -0.16 -0.51 COF -0.071 -0.38 -0.29 -0.47 0.0041 -0.51 0.012 -0.41 0.013 0.087 -0.016 0.059 0.28 Intercept -0.15 -0.011 0.0041 1 -0.096 -0.83 -0.18 0.58 0.082 -0.029 0.3 -0.47 -0.23 0.29 0.27 Nematic order 0.011 0.035 0.91 -0.51 0.082 0.11 8.0 -0.011 0.085 0.085 0.062 -0.25 -0.56 Δ Nematic order 0.047 0.017 -0.012 -0.00034 0.012 -0.015 0.021 -0.11 -0.019 -0.025 Tilt angle -0.074 -0.088 -0.41 0.3 -0.015 -0.0004 0.17 0.11 -0.37 0.89 0.8 -0.73 0.1 -0.27 Δ Tilt angle 0.14 0.1 -0.32 -0.55 0.28 -0.47 -0.4 0.25 -0.73 0.087 -0.23 0.02 -0.18 0.47 -0.1 Interdigitation **0.081 0.013 -0.096 -0.011 0.021 -0.0004 0.087** 0.61 -0.093 -0.11 0.25 0.033 -0.082 -0.05 Δ Interdigitation -0.23 0.052 -0.0024 -0.23 0.059 0.14 0.33 0.15 0.085 -0.11 0.17 0.7 Roughness 0.23 0.087 -0.23 0.085 -0.019 0.02 0.61 0.052 -0.061 0.27 -0.27 \triangle Roughness -0.058 -0.05 0.046 -0.016 -0.04 -0.093 -0.061 -0.24 -0.027 0.18 0.27 0.062 0.1 -0.18 Interaction energy -0.83 -0.015 0.041 -0.73 -0.16 0.29 -0.25 -0.025 -0.37 0.47 -0.11 -0.0024 -0.22 -0.24 Δ Interaction energy -0.21 -0.22 -0.51 0.059 0.29 -0.56 -0.18 -0.27 -0.27 -0.027 1 0.15 -0.1 -0.05 -0.23 -0.22 Interaction energy A Interaction energy Molecular Weight Dipole moment Surface dred Nematic order Nematic order A Tilt angle Interdigitation A Interdigitation A Roughness Tilk angle Royanness (Ox

0.17

-0.15

-0.058 -0.015

-7e-18 -0.071

-0.15

0.011

0.047

-0.074

0.14

0.25

0.73

Molecular weight