0.0

-0.5

A Interaction energy Ly -1.0

ANG. Molecular Weight A Molecular Weight Avg. Dipole moment Dipole moment Mercept

Avg. Molecular weight

Δ Molecular weight

Avg. Dipole moment 0.28 0.22

Δ Dipole moment -0.34 0.52

Avg Nematic order -0.63 0.09

Diff S2

Δ Interdigitation -0.048 -0.29 -0.7

Δ Interaction energy QQ -0.44 0.28 -0.89

Δ Interaction energy LJ -0.47 0.22 0.79 -0.17 0.38

Interaction energy LJ

0.65

COF -0.79 -0.12 -0.34 0.24

Intercept -0.51 0.21 0.88 -0.31 -0.37

Δ Nematic order -0.57 -0.11 0.7 -0.48 -0.2 0.2

0.6 0.45 0.15 -0.12

0.83 -0.04 0.6 0.23 -0.045 0.074 -0.89 -0.066

Avg Tilt angle -0.67 -0.021 0.86 -0.34 0.69 -0.14 0.88 0.6 -0.11 1

Interaction energy QQ 0.68 -0.17 -0.83 0.33 -0.62 -0.96 -0.79 -0.11 0.24 -0.83 0.9

0.7

Δ Tilt angle 0.46 -0.12 -0.78 0.31 0.39 0.22 -0.65 0.0062 0.093 -0.65

Diff Tilt 0.89 -0.15 0.059 -0.32 -0.26 -0.033 0.22 -0.13 0.16 -0.63 0.36

Interdigitation 0.84 0.29 -0.35 -0.52 0.039 0.56 -0.43 -0.22 0.11 -0.49 0.076 0.11

Interaction energy -0.22 -0.23 -0.92 0.38 0.18 -0.96 -0.77 -0.36 0.17 -0.83 0.88 0.31 -0.098 -0.34

Δ Interaction energy -0.39 0.16 -0.81 0.64 -0.33 -0.01 0.65 0.0087 0.067 -0.49 -0.81 -0.11 -0.051 -0.43 0.6

0.65

1

1

-0.2 -0.17 <mark>-0.37 0.41 -0.022 0.035 0.33 -0.028-0.064 0.13</mark>

0.88 0.85

And Nematic order Nematic order Interdigitation ALO TILANOLO A Tilk andle Oir Tile

-0.3 -0.36 -0.74 -0.089 0.031 -0.74 -0.052 0.028 -0.041 -0.26 0.5

-0.2 0.86 0.67 0.12 0.28 -0.44 0.083 0.066 -0.55 0.024 0.072 0.22 -0.43 -0.4 -0.52 -0.72 -0.73 -0.44 -0.013

1

-0.21 0.9 0.74 0.42 -0.26 0.82 -0.072 -0.22 0.095 0.39 -0.72 -0.84 -0.68 -0.9 -0.94 0.44

1 -0.44 0.24 -0.21 0.0013 0.53 0.087 0.11 0.057 0.83 0.53 -0.055 0.39 -0.2 0.3 -0.28

1 0.71 0.12 -0.24 0.89 -0.87 -0.24 0.17 -0.65 -0.96 -0.31 -0.92 -0.92 -0.93 0.9

1

0.18 -0.095 **0.71** -0.85 -0.039 **0.18** -0.13 -0.87 -0.26 -0.48

0.3 -0.13 0.5 0.93 0.35

0.94

A Interdigitation

0.11 -0.032 0.8 -0.75 -0.065 -0.82 0.36 -0.092 0.33 0.31 0.36 0.48 -0.13

-0.61 0.73 0.72 0.15 0.11 -0.74 -0.053 0.07 0.075 -0.59 **-0.46** 0.041

-0.69 0.013 0.27 0.7 -0.34 -0.13 -0.68 -0.023 -0.45 0.4 0.21

-0.9 -0.21 -0.46 0.33 0.29 0.042 0.25 0.62 0.14 -0.21

0.25 0.0074 -0.63 -0.19 0.0046 0.18 0.29 0.44 0.42

0.26 -0.64 -0.47 -0.5 -0.47 0.34 0.76

0.89 0.88

Interaction energy

A Interaction energy

0.35 0.23 0.47

0.64 0.31 0.17 0.24 0.35 -0.62

0.38 0.94 0.91 0.94 -0.93

0.9

0.8 -0.067

0.83 -0.37

-0.45

A Interaction energy op

Interaction energy Ly

0.91 0.74 -0.45

1

-0.9 -0.64

Interaction energy op