

Table 2. Structural parameters for di-C₁₈-PC (adsorbed and grafted samples) at various temperatures used in Eq. 1.

	<i>Adsorbed sample</i>	<i>Grafted sample</i>
<i>T</i> , °C	25.0	56.1
ρ_{H_2O} , e ⁻ /Å ³	0.344	0.344
<i>D_{h,2}</i> , nm	2.35±0.05	2.41±0.02
$\rho_{h,2}$, e ⁻ /Å ³	0.11±0.02	0.1±0.1
$\sigma_{h,2}$, nm	0.6±0.1	0.2±0.1
ρ_{CH_2} , e ⁻ /Å ³	0.32±0.02	0.29±0.02
ρ_{CH_3} , e ⁻ /Å ³	-0.14±0.05	-0.14±0.05
σ_{CH_3} , nm	0.17±0.03	0.10±0.05
ρ_{CH_2} , e ⁻ /Å ³	0.32±0.02	0.29±0.02
<i>D_{h,2}</i> , nm	2.35±0.05	2.41±0.02
$\rho_{h,2}$, e ⁻ /Å ³	0.11±0.02	0.1±0.1
$\sigma_{h,2}$, nm	0.6±0.1	0.2±0.1
<i>D_{H₂O,2}</i> , nm	1.9±0.1	2.4±0.4
$\rho_{H_2O,2}$, e ⁻ /Å ³	0.344	0.344
<i>D_{h,1}</i> , nm	2.31±0.02	2.41±0.02
ρ_{h_1} , e ⁻ /Å ³	0.13±0.02	0.12±0.01
$\sigma_{h,1}$, nm	0.39±0.03	0.41±0.03
ρ_{CH_2} , e ⁻ /Å ³	0.29±0.02	0.27±0.02
ρ_{CH_3} , e ⁻ /Å ³	-0.15±0.01	-0.14±0.01
σ_{CH_3} , nm	0.14±0.02	0.25±0.05
ρ_{CH_2} , e ⁻ /Å ³	0.32±0.02	0.29±0.02
<i>D_{h,1}</i> , nm	2.31±0.02	2.41±0.02
ρ_{h_1} , e ⁻ /Å ³	0.13±0.02	0.12±0.01
$\sigma_{h,1}$, nm	0.39±0.03	0.41±0.03
<i>D_{H₂O,1}</i> , nm	0.33±0.05	0.33±0.05
$\rho_{H_2O,1}$, e ⁻ /Å ³	0.344	0.344
<i>D_{sil}</i> , nm		2.6±0.1
ρ_{sil} , e ⁻ /Å ³		0.02±0.01
σ_{sil} , nm		0.25±0.02
<i>D_{SiO₂}</i> , nm	2.3±0.2	2.3±0.2
ρ_{SiO_2} , e ⁻ /Å ³	0.34±0.02	0.34±0.02
σ_{SiO_2} , nm	0.13±0.02	0.27±0.02
ρ_{si} , e ⁻ /Å ³	0.376	0.376

D, box thickness; ρ , electron density amplitude; σ , standard deviation of the box interface position (averaged over the coherence length $2\lambda/\theta \cdot \delta\theta$). Data are obtained by specular reflectivity experiments using the 1G-hybrid box model (Eq. 1) in which some boxes lack *D* or σ . They are presented from top to bottom: bulk water 1, lipid layer 2 (floating bilayer), water layer 2 (intermediate), lipid layer 1 (adsorbed or grafted), water layer 1 (hydration), and substrate. h= head, sil=silane, Si=silicon.