

**TABLE I: Thermoelastic Properties of SOPC:POPE Bilayers**

POPE/ (SOPC + POPE)	$K$ , dyn/cm	$\alpha$ , $\times 10^3/^\circ\text{C}$	$T$ , $^\circ\text{C}$
0	$199.6 \pm 12.7$	$3.28 \pm 0.68$	15.0
0.33	$209.9 \pm 14.1$	$3.79 \pm 0.24$	22.0
0.60	$221.4 \pm 11.2$	$3.51 \pm 0.57$	25.0
0.80	$233.7 \pm 26.0$	$3.53 \pm 0.49$	26.0

**TABLE II: Thermoelastic Properties of Lipid:Cholesterol Mixtures**

composition	$K$ , dyn/cm	$\alpha$ , $\times 10^3/^\circ\text{C}$	$T$ , $^\circ\text{C}$
DMPC ( $L_\alpha$ )	$144.9 \pm 10.5$	$6.81 \pm 1.0$	29
		$4.17 \pm 0.2$	35
DMPC ( $L_\beta$ )	$855.3 \pm 140.1$	1.0	8
CHOL/(DMPC + CHOL)			
0.125	396.9	2.83	15.5
0.33	646.8	1.97	15
	559.0	3.1	25
0.40	600	2.3	35
0.50	685	1.33	22
SOPC ( $L_\alpha$ )	$199.6 \pm 12.7$	$3.28 \pm 0.68$	15
CHOL/(SOPC + CHOL)			
0.5	$1077 \pm 167$	$1.62 \pm 0.16$	23