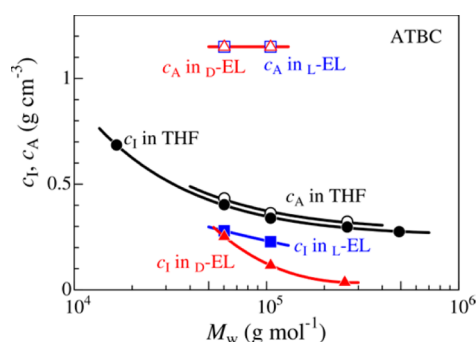


# Correction to Lyotropic Liquid Crystallinity of Amylose Tris(alkylcarbamates): Cholesteric and Smectic Phase Formation in Different Solvents

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The distances  $a$  between two chains calculated from the diffraction peaks at 3.65, 4.5, and 3.4 nm<sup>-1</sup> for ATBC, ATEC, and ATHC in ethyl lactates should be the same as  $d$ -spacing, that is, 1.72, 1.40, and 1.85 nm, respectively. Therefore, values of the phase boundary concentration  $c_A$  between biphasic region and anisotropic phase on p 4593 are 1.15, 1.02, and 1.05 g cm<sup>-3</sup> and the volume fractions  $\phi$  are 0.96, 0.79, and 0.93 for ATBC, ATEC, and ATHC. These values are fairly close or slightly smaller than the ideal volume fraction  $\pi/\sqrt{12} = 0.9069$  for hexagonal close packed cylinder structure. Regarding this, Figure 9 is illustrated below.



**Figure 9.** Phase diagram of ATBC in D-EL (triangles), L-EL (squares), and in THF (circles) at 25 °C. Unfilled and filled symbols denote  $c_A$  and  $c_i$ , respectively.