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Figure 13b. System snapshots of polymer nanocomposite ($N = 100$, $N_{ch} = 48$, $\epsilon_{eff} = 0.10$). The nanofiller, shown in blue, corresponds to a single, impenetrable cylinder with diameter $d_{cyl} = 5$ (in units of σ) and infinite length. The cylinder is oriented along the direction of one of the cell axes.). Semi-flexible, rod-like chains ($\theta = 0^\circ$). Monomers are colored according to the parent chain and are shown as semitransparent spheres for clarity.