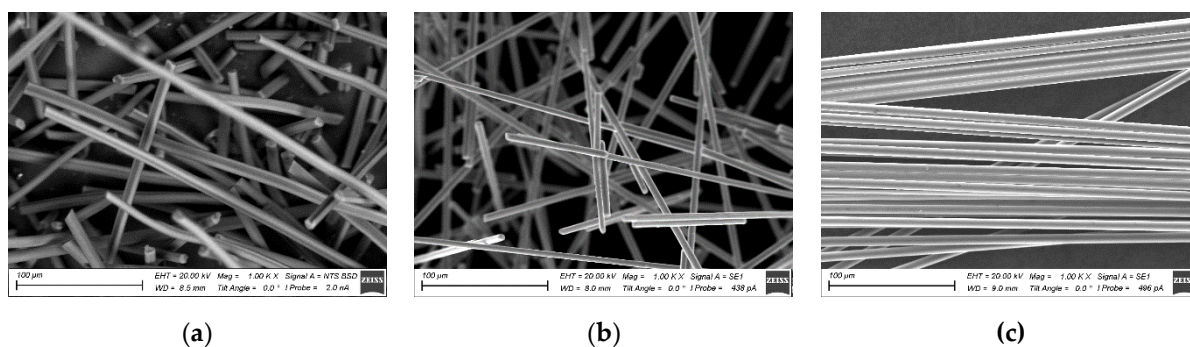


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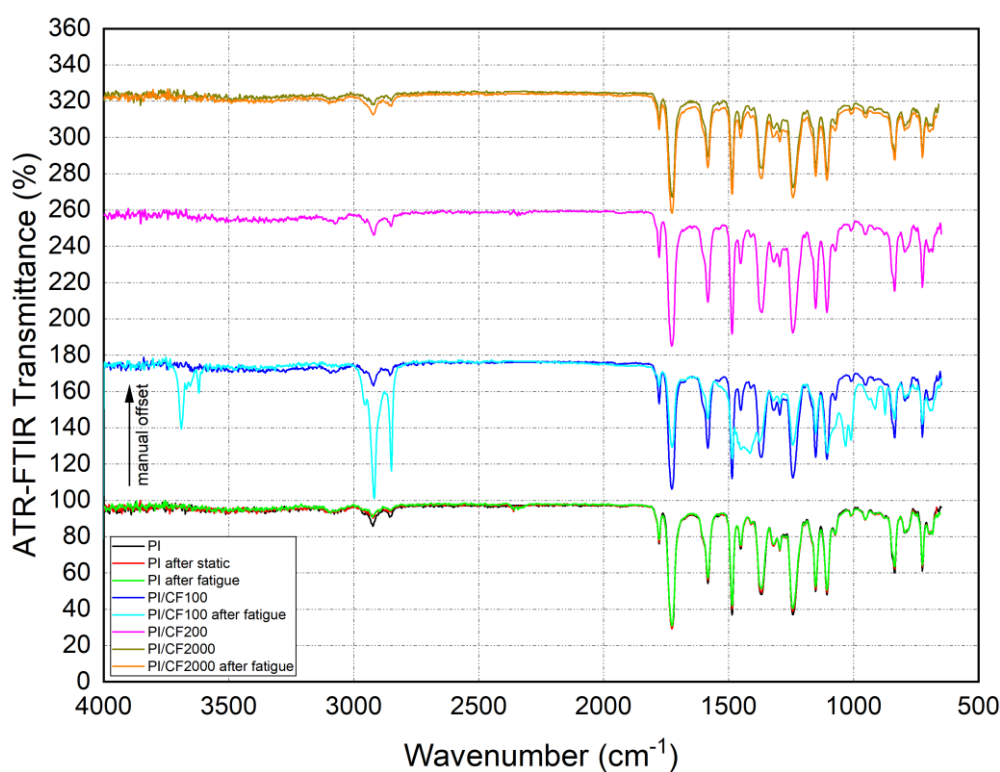
# Effect of Polymer Matrix on Inelastic Strain Development in PI- and PEI-Based Composites Reinforced with Short Carbon Fibers under Low-Cyclic Fatigue

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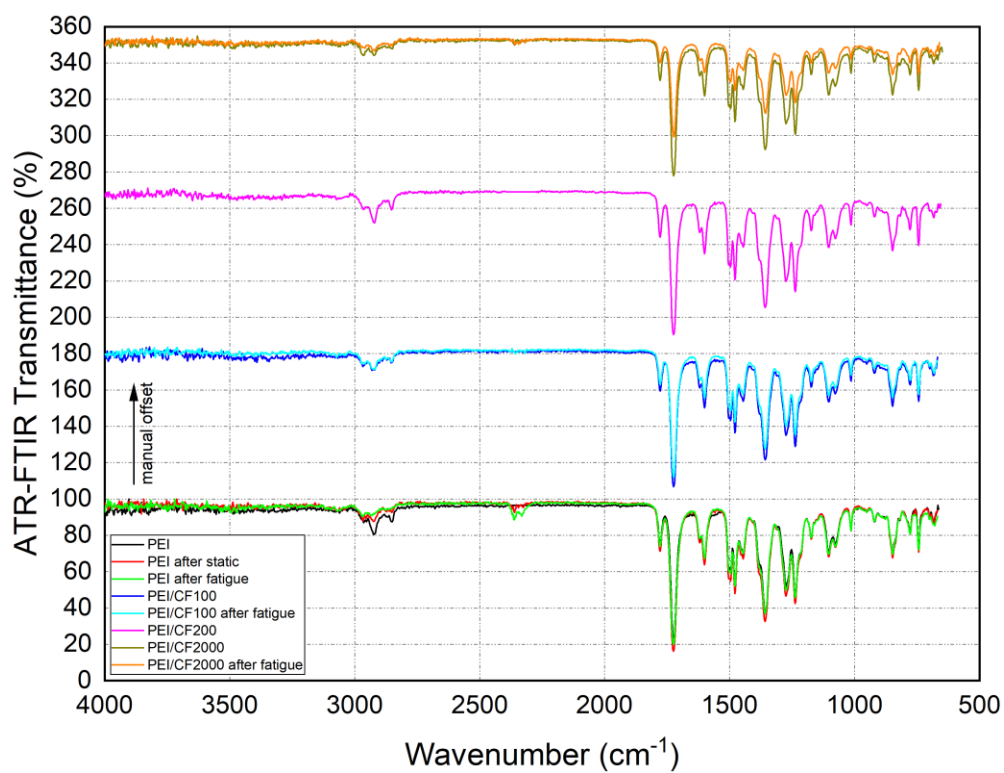
## Supplementary materials



**Figure S1.** The SEM micrographs of fillers loaded in the PI- and PEI-based composites: “UVI-12 100μm” (a); “Tenax®-A 200μm” (b); “Tenax®-A 2000μm” (c).



**Figure S2.** The FTIR spectra for the neat PI and PI-based composites before and after the static and fatigue tests.



**Figure S3.** The FTIR spectra for the neat PEI and PEI-based composites before and after the static and fatigue tests.