

Improved uniaxial dielectric properties in aligned diisopropylammonium bromide (DIPAB) doped Poly-(vinylidene difluoride) (PVDF) nanofibers

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Supplementary information

The elemental mapping at high magnification using Scanning electron microscopy (SEM) setup with energy dispersive X-Ray spectrometry (EDS) was performed on DIPAB doped PVDF nanofibers sample to study the presence of DIPAB inside the PVDF nanofibers. Figure 1 shows that the elemental signals of Bromine and Nitrogen from DIPAB coincides with the elemental signals observed from PVDF structures (Fluorine).

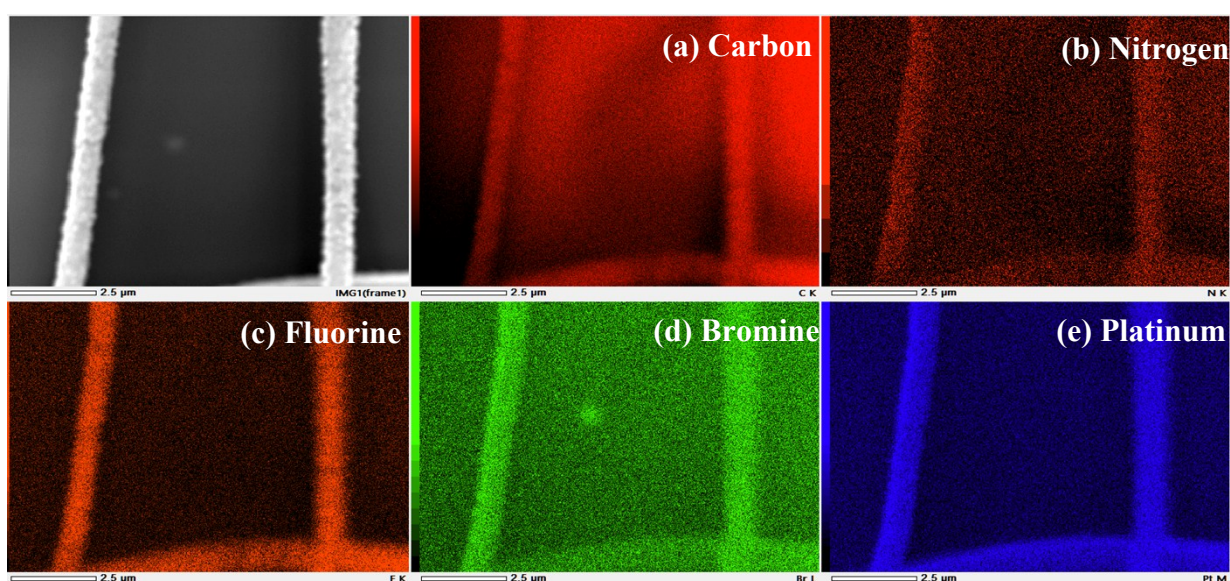


Table 1 - EDXS of DIPAB 5% composite nanofibers sample. The signals from DIPAB having (b) Nitrogen and (d) Bromine coincides with (c) Fluorine from PVDF proving the presence of DIPAB within the nanofibers.