

## **FDCA-based Polymer Materials beyond PEF**

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The prominent position the bio-based building block 2,5-Furandicarboxylic acid (FDCA) holds is because it can substitute terephthalic acid for the production of polyesters such as the new thermoplastic poly(ethylene 2,5-furandicarboxylate) (PEF). PEF exhibits superior gas barrier properties than the competing PET when processed as thin film, which provides a unique selling point and eases invest decisions for research devoted to enter the huge film and bottle market. However, the variety of polyester-based plastics is large and hence the potential of FDCA might be huge, but the plastic news are mainly dominated by PEF. With our contribution, we want to shift the focus and share our research activities devoted to FDCA-based materials beyond PEF. Finally, our contribution intends to encourage market participants to continue believing in FDCA as an important building block for shaping future economies.