**Supporting Information**

# Copolyesters Based on 2,5-Furandicarboxylic acid (FDCA): Effect of 2,2,4,4-Tetramethyl-1,3-Cyclobutanediol Units on Their Properties

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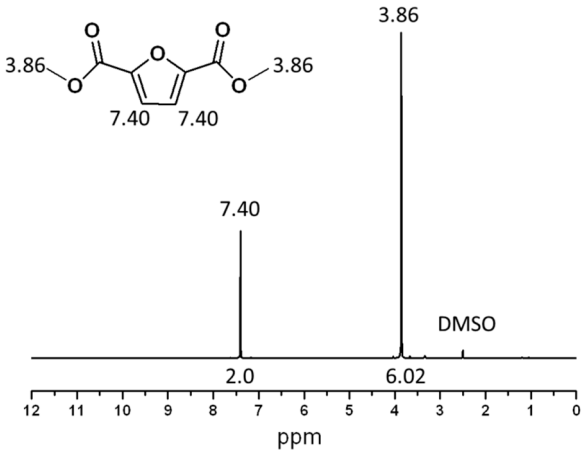


***Figure S1*** [1]H-NMR spectra of dimethyl furan-2,5-dicarboxylate

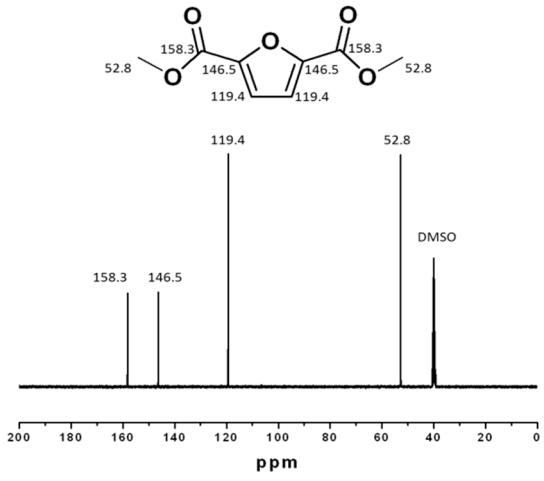


***Figure S2*** [13]C-NMR spectra of dimethyl furan-2,5-dicarboxylate

**Table S1** The $^{1}$H-NMR signal assignments for PEF and PETF 10/18

| Sample | $f_1$ | $f_2$ | a | $b_{cis}$ | $b_{trans}$ | $c_{cis}$ | $c_{trans}$ |
|---|---|---|---|---|---|---|---|
| | CH in furan ring | CH in furan ring | $CH_2$ in EG | CH in cis-CBDO | CH in trans-CBDO | $CH_3$ in cis-CBDO | $CH_3$ in trans-CBDO |
| PEF (ppm) | 7.20 | - | 4.63 | - | - | - | - |
| PETF10/18 | 7.20-7.23 | 7.24-7.26 | 4.63 | 4.53 | 4.70 | 1.07,1.24 | 1.14 |

**Table S2** The $^{1}$H-NMR signal assignments for PPF and PPTF 10/18

| Sample | $f_1$ | $f_2$ | d | e | $b_{cis}$ | $b_{trans}$ | $c_{cis}$ | $c_{trans}$ |
|---|---|---|---|---|---|---|---|---|
| | CH in furan ring | CH in furan ring | $CH_2$ in PPD | $CH_2$ in PPD | CH in cis-CBDO | CH in trans-CBDO | $CH_3$ in cis-CBDO | $CH_3$ in trans-CBDO |
| PPF | 7.20 | - | 4.43 | 2.15 | - | - | - | - |
| PPTF10-18 | 7.20-7.23 | 7.24-7.26 | 4.43 | 2.15 | 4.53 | 4.70 | 1.07,1.24 | 1.14 |

**Table S3** The $^{1}$H-NMR signal assignment for PBF and PBTF 10/18

| Sample | $f_1$ | $f_2$ | g | k | $b_{cis}$ | $b_{trans}$ | $c_{cis}$ | $c_{trans}$ |
|---|---|---|---|---|---|---|---|---|
| | CH in furan ring | CH in furan ring | $CH_2$ in BDO | $CH_2$ in BDO | CH in cis-CBDO | CH in trans-CBDO | $CH_3$ in cis-CBDO | $CH_3$ in trans-CBDO |
| PBF | 7.20 | - | 4.61 | 2.08 | - | - | - | - |
| PBTF10-18 | 7.20-7.23 | 7.24-7.26 | 4.61 | 2.08 | 4.53 | 4.70 | 1.07,1.24 | 1.14 |

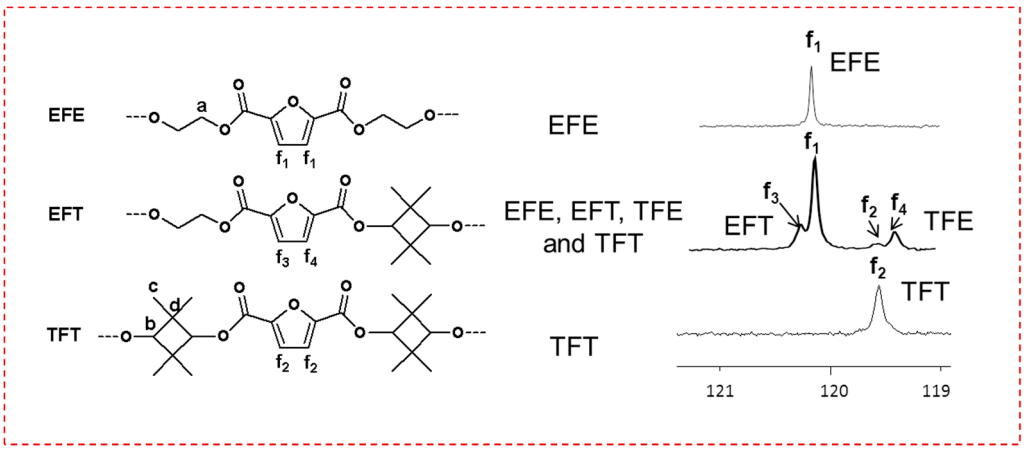


***Figure S3*** Chemical structures of EFE, EFT, TFT and the peak assignment in $^{13}$C-NMR spectra

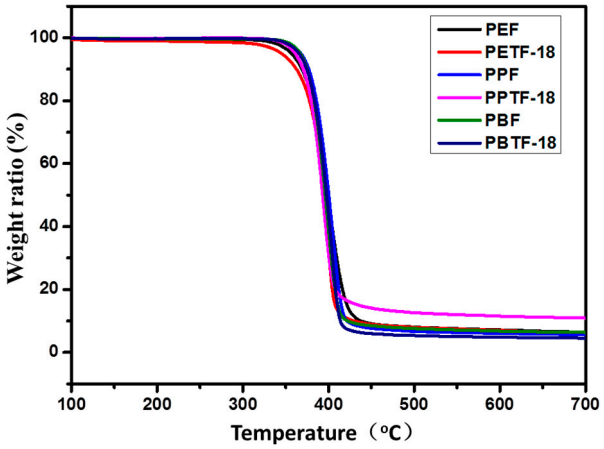


***Figure S4*** TGA curves for PEF, PPF, PBF, PETF-18, PPTF-18 and PBTF-18