

Supplementary Information

Fully bio-based aromatic-aliphatic copolyesters: Poly(butylene furandicarboxylate-co-succinate)s obtained by ring opening polymerization

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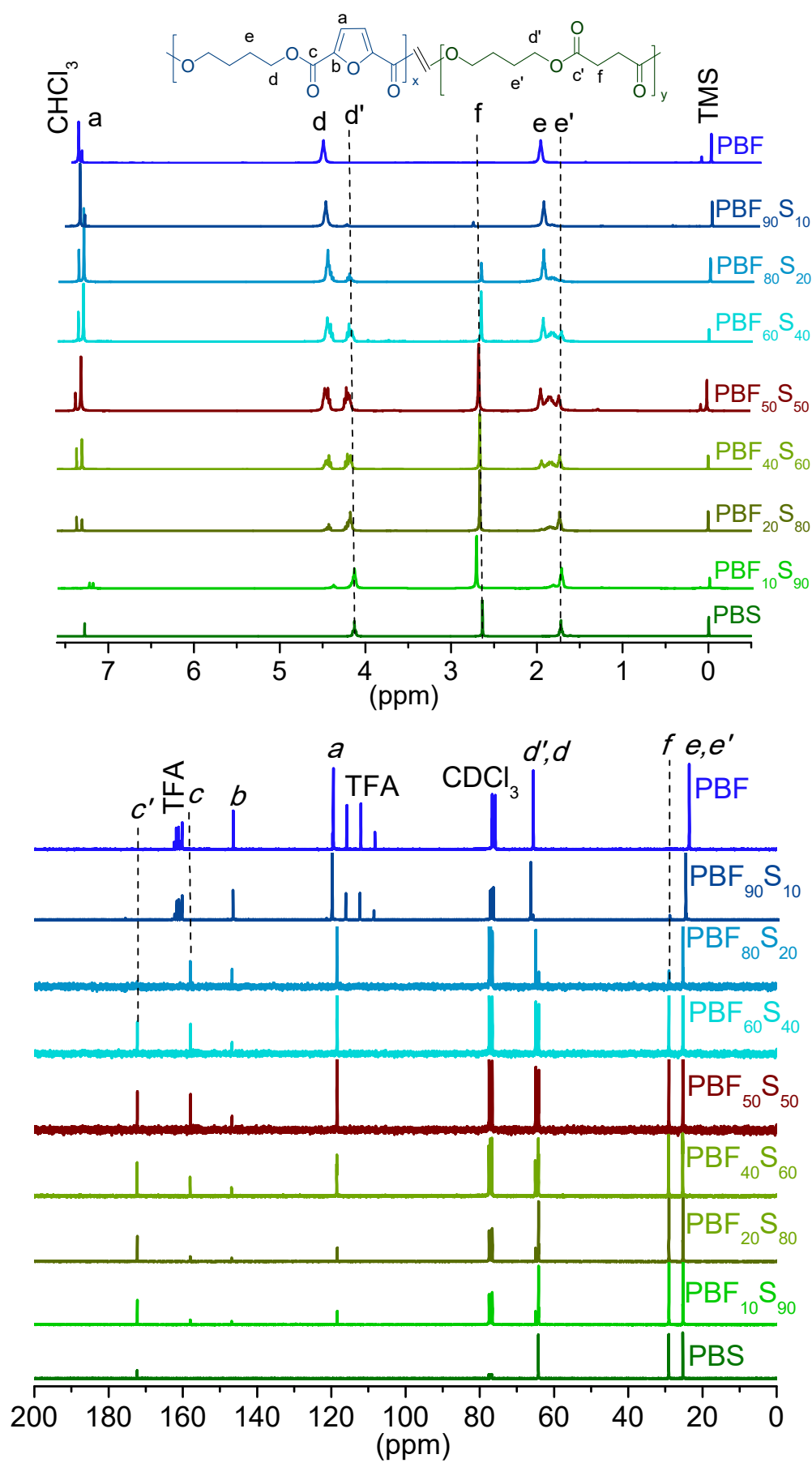


Figure SI-1. ^1H (top) and ^{13}C NMR (bottom) spectra of coPBF_xS_y obtained by $\text{Sn}(\text{Oct})_2$ catalyzed ROP.

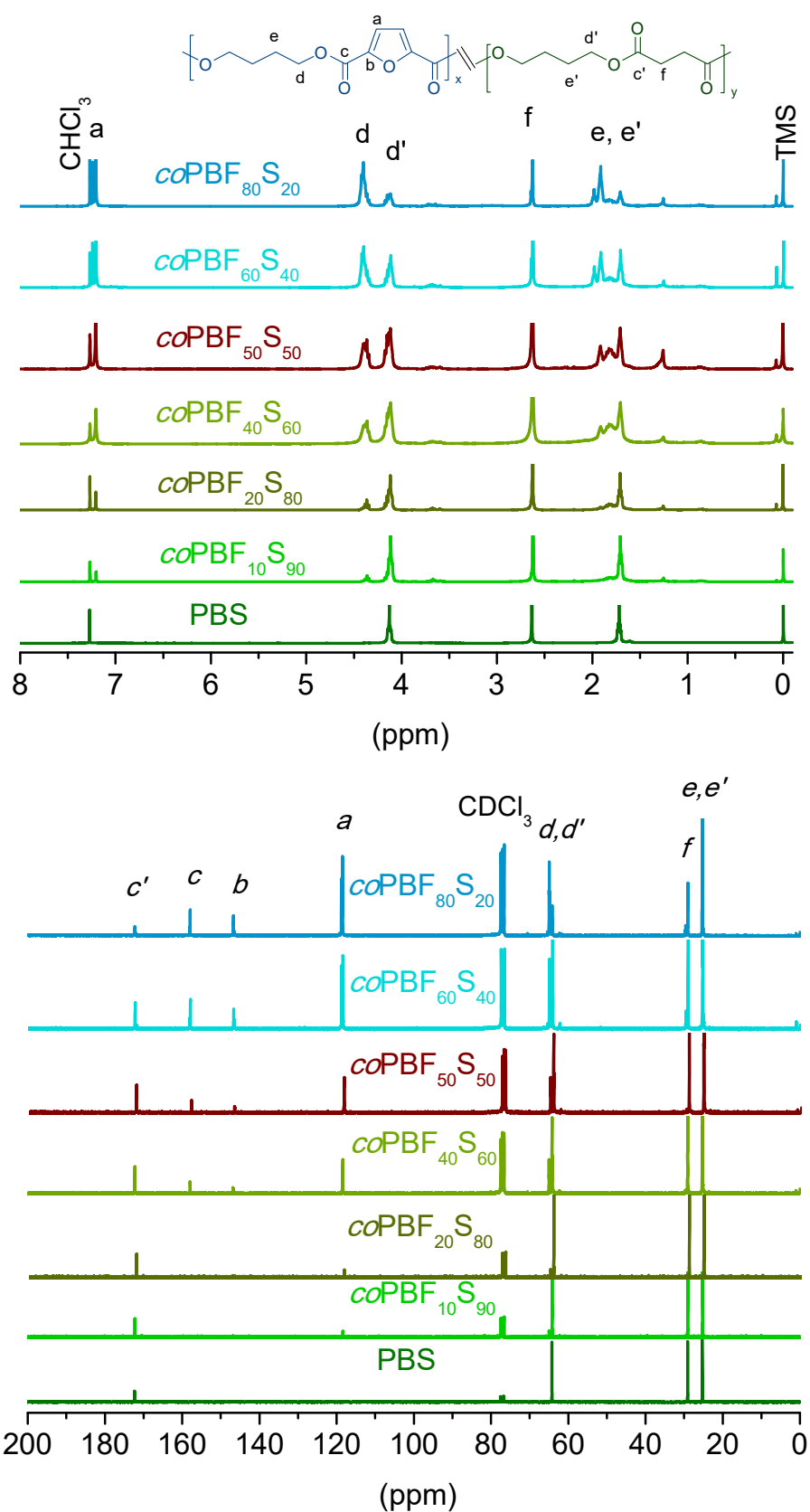


Figure SI-2. ^1H (top) and ^{13}C NMR (bottom) spectra of the coPBF_xS_y obtained by ROP assisted by CALB.

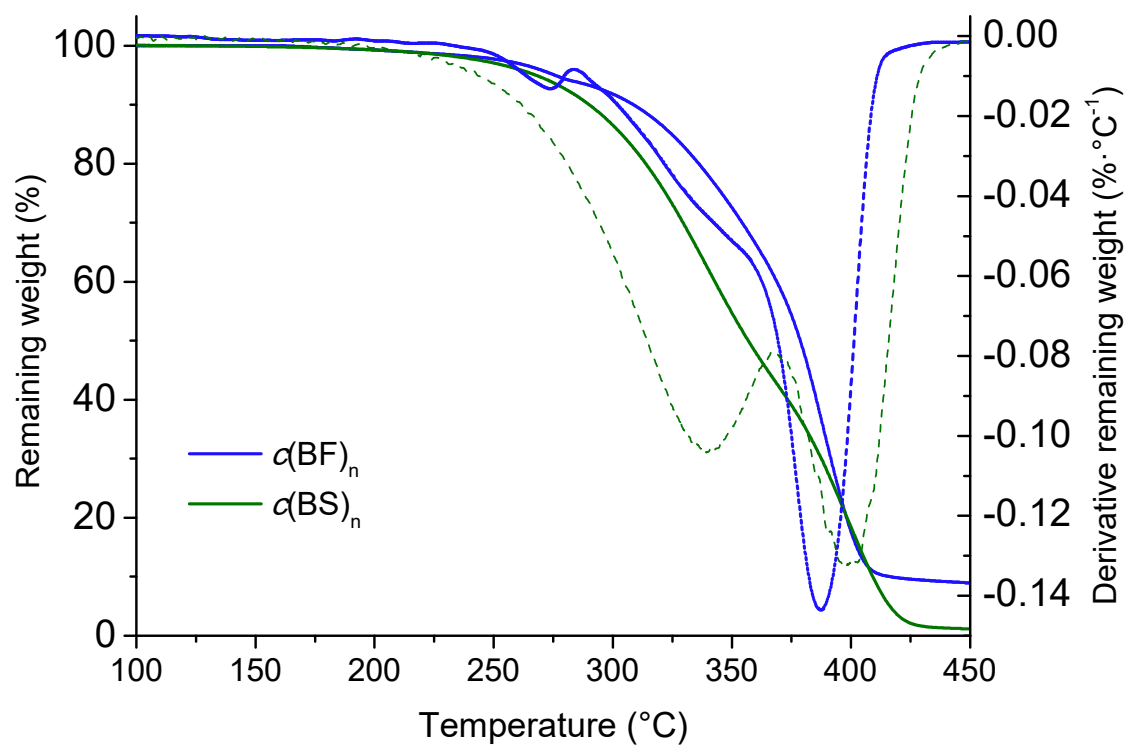


Figure SI-3. TGA analysis of $c(\text{BF})_n$ and $c(\text{BS})_n$.

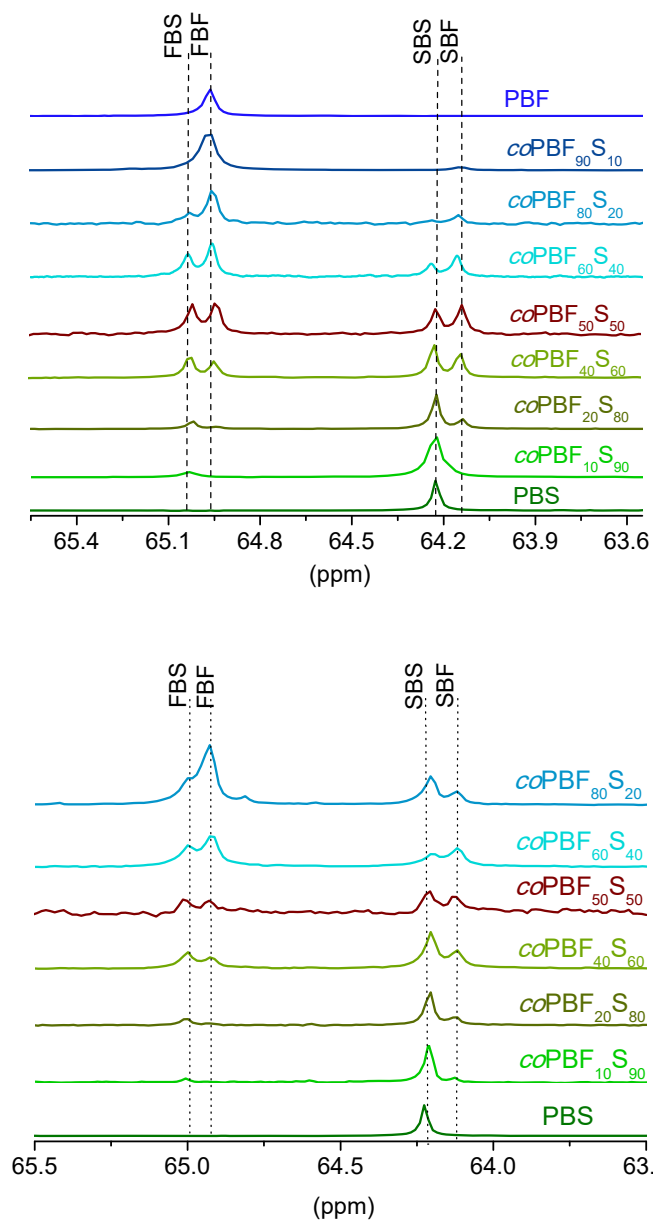


Figure SI-4. ^{13}C NMR enlarged in the region 65.5-63.5 of coPBF_xS_y obtained by using $\text{Sn}(\text{Oct})_2$ (top) and CALB (bottom) as catalysts.

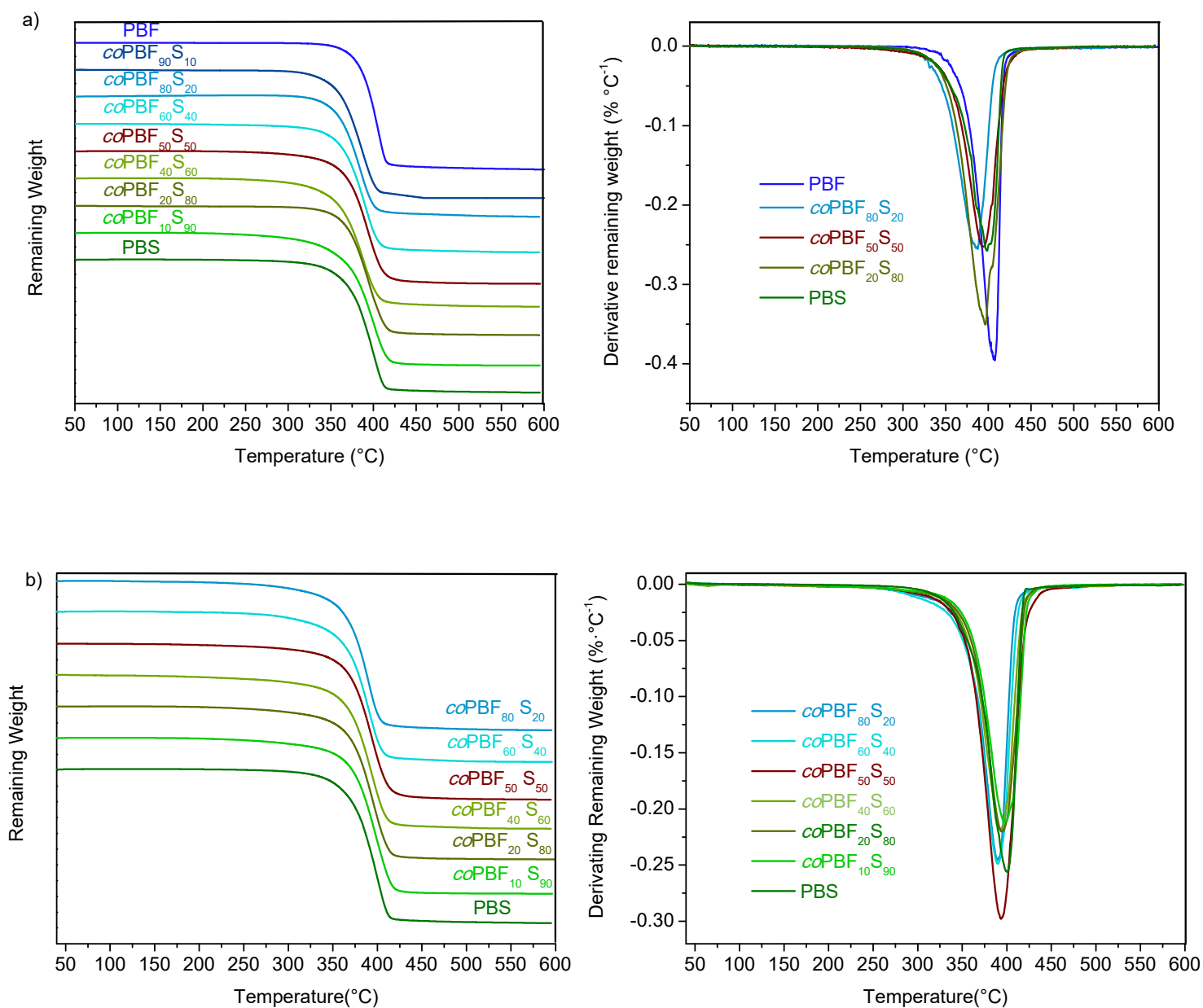


Figure SI-5. TGA analysis of coPBF_xS_y :obtained by using $\text{Sn}(\text{Oct})_2$ (a) and CALB (b) as catalysts.

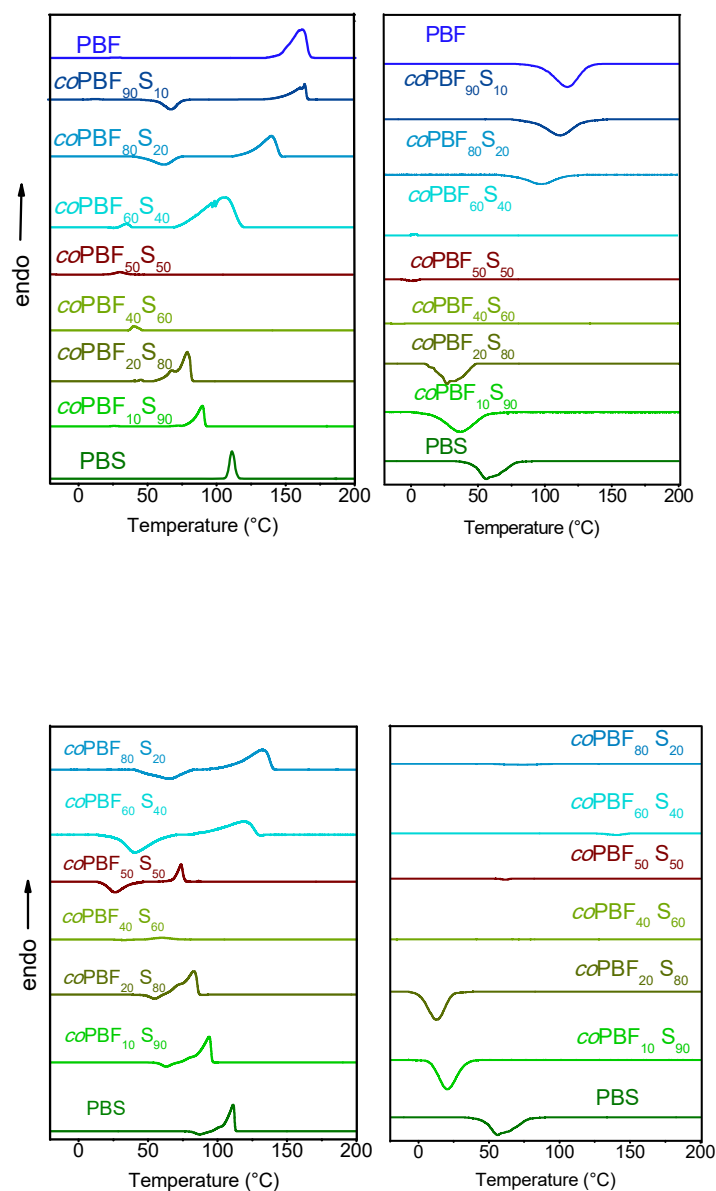


Figure SI-6. DSC analysis of coPBF_xS_y obtained by using $\text{Sn}(\text{Oct})_2$ and b) CALB as catalysts. Left: first heating; Right: cooling from the melt.

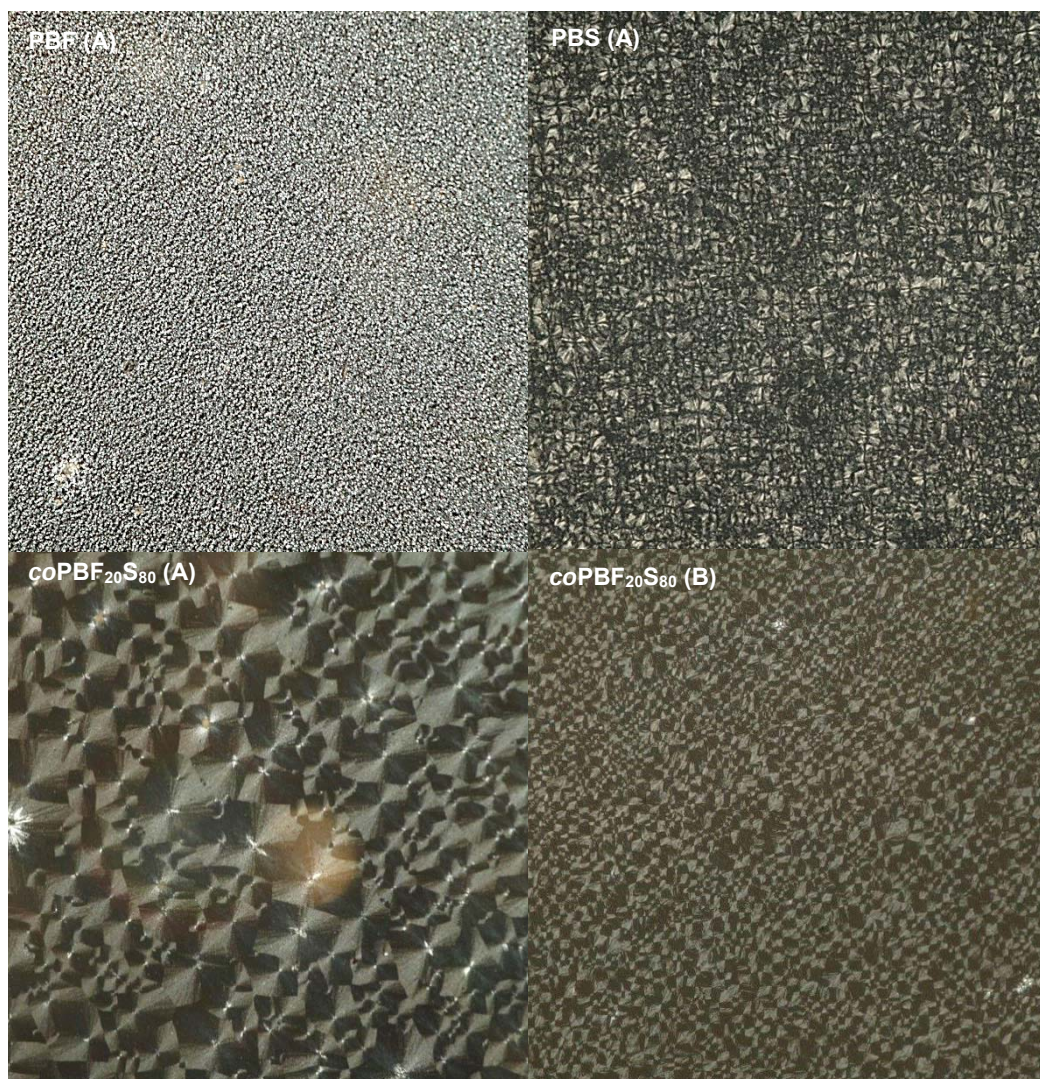


Figure SI-7. POM of films of polyesters crystallized from the melt that were obtained by $\text{Sn}(\text{Oct})_2$ (A) or CALB (B) catalyzed ROP.

