

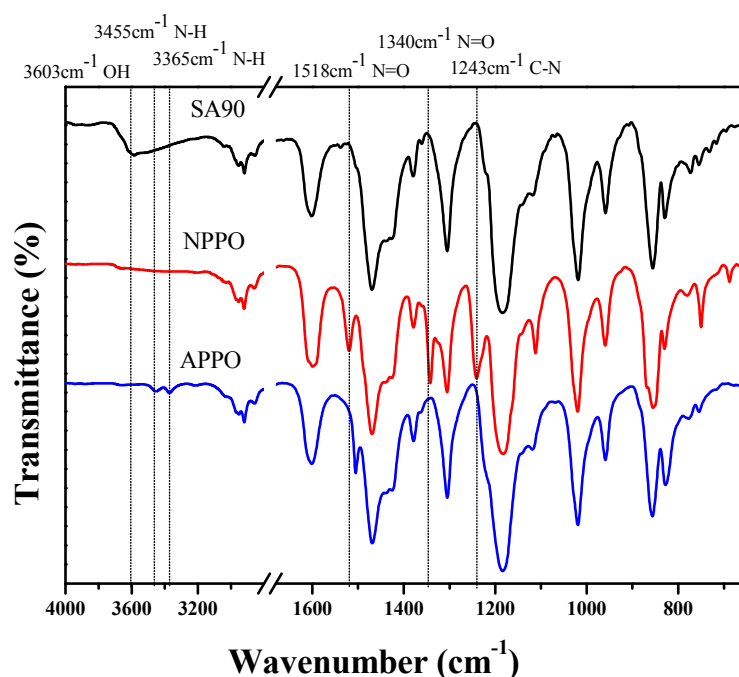
## Supporting information

### Low-dissipation thermosets derived from oligo(2,6-dimethyl phenylene oxide)-containing benzoxazines

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**Figure S1.** IR spectra of SA90, NPPO, and APPO.

**Table S1.** Solubility data of SA90, P-APPO-1, P-APPO-2, and BPA-APPO

Sample	NMP	DMSO	DMAC	DMF	MEK	THF	m-cresol	xylene	toluene	CH <sub>2</sub> Cl <sub>2</sub>	CHCl <sub>3</sub>
SA90	++	+-	++	++	++	++	+h	++	++	++	++
P-APPO-2	++	-	++	++	++	++	+h	++	++	++	++
P-APPO-1	++	-	++	++	++	++	+h	++	++	++	++
BPA-APPO	++	-	++	++	++	++	+h	++	++	++	++

<sup>a</sup> solubility was tested with a 5 mg in 1 mL of solvent

<sup>b</sup> ++,soluble at room temperature; +h,soluble on heating; +-,partially soluble on heating; -,insoluble on heating