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Supplementary Information

Flame retardant containing biomass-based polydopamine for high-performance rigid polyurethane foam

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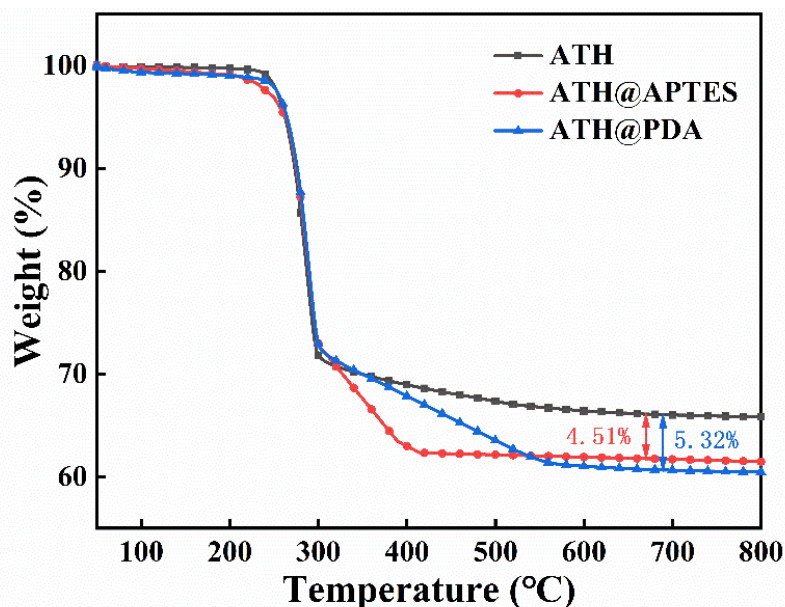


Fig. S1 The TGA curves of ATH, ATH@APTES, ATH@PDA.

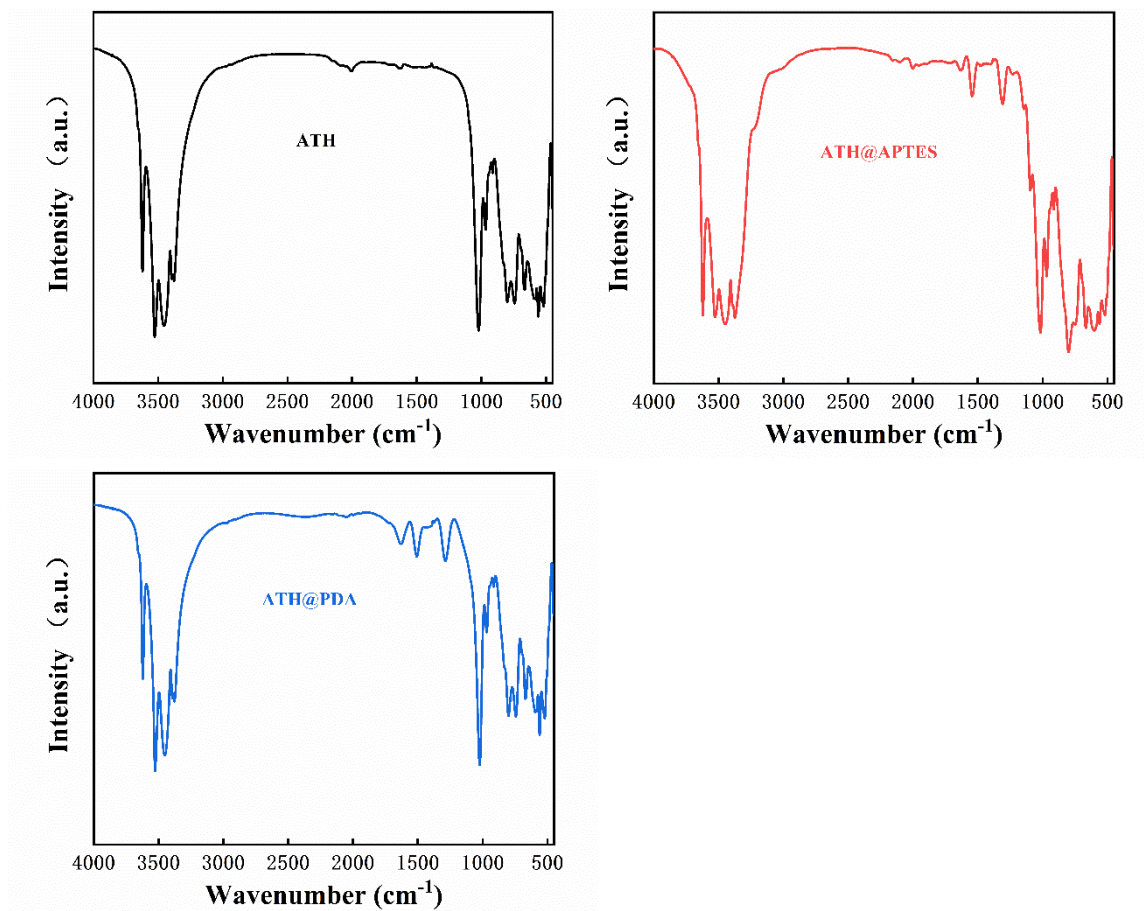


Fig. S2 FTIR spectra of ATH, ATH@APTES, ATH@PDA.

Table. S1 The proportions of aluminum, nitrogen and silicon elements in ATH, ATH@APTES, ATH@PDA

Samples	Al (wt%)	N (wt%)	Si (wt%)
ATH	34.62	-	-
ATH@APTES	32.25	0.47	0.94
ATH@PDA	31.82	0.77	-