Electronic Supplementary Information

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Title Benzotriazole-based conjugated microporous polymers as efficient flame retardants with better thermal insulation property

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Table S1 Porous properties of ZCMP-1 and ZCMP-2.

Samples	S_{BET} [m^2 g^{-1}]	S_{micro} [m^2 g^{-1}]	V_{micro} [cm^3 g^{-1}]	V_{total} [cm^3 g^{-1}]	D_{BJH} [nm]
ZCMP-1	691	276	0.149	0.416	2.4
ZCMP-2	483	306	0.163	0.298	2.5

Table S2 MCC data of ZCMP-1 and ZCMP-2.

Samples	T_{max} [^oC]	pHRR [W g^{-1}]	THR [KJ g^{-1}]	Residual mass [%]
ZCMP-1	354.1	11.9	6.7	74.3
ZCMP-2	382.7	9.9	5.9	83.7

Table S3 Cone calorimetric data of pure EP and ZCMPs/EP (heat flux of 35 kW m^{-2}).

Sample	T_{pHRR} (s)	pHRR (W g^{-1})	THR (KJ g^{-1})	Residual mass (%)
Pure EP	310	559.0	91.9	41.1
ZCMP-1/EP	225	490.1	74.4	24.1
ZCMP-2/EP	220	461.6	59.8	42.1