

Supplementary Information

Table 1 parameters of EG flame retardant silicone rubber foam

Sample	TTI (s)	pkHRR (KW/m <sup>2</sup> )	THR (MJ/m <sup>2</sup> )
SiF-EG0%	24.2	30	69.19
SiF-EG2.5%	28.2	81	70.48
SiF-EG5%	30.2	109	70.97
SiF-EG7.5%	32.6	177	73.89
SiF-EG10%	35.0	145	63.92
SiF-EG12.5%	36	202	64.64
SiF-EG15%	36.3	39	50.75
SiF-EG17.5%	36.3	47	50.04
SiF-EG20%	37.4	37	49.46

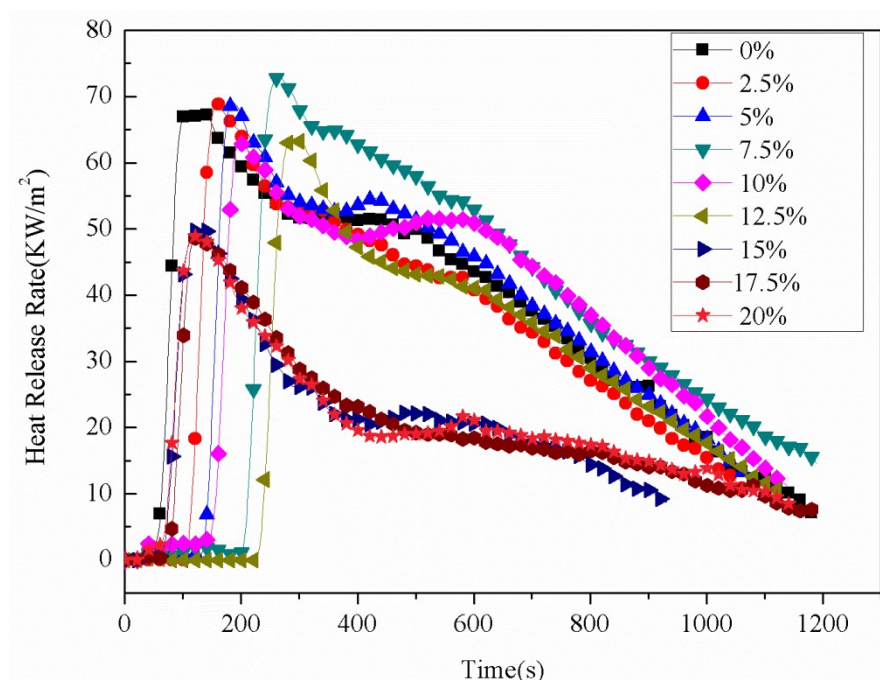
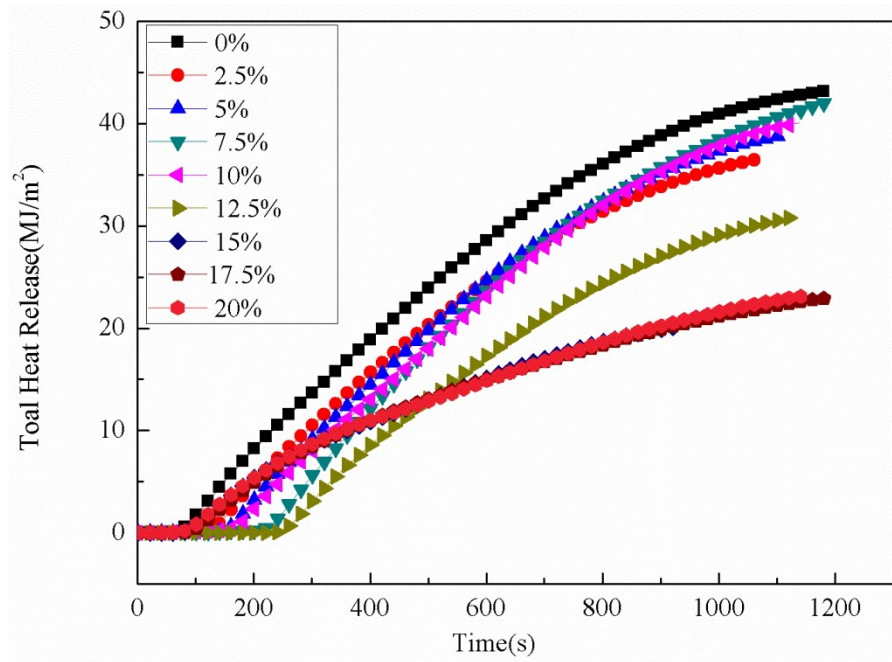


Figure 1. Heat release rate curves of SiF with different amount of EG added at a flux of 35 kW/m<sup>2</sup>.



**Figure 2.** Total heat release rate curves of SiF with different amount of EG added at a flux of 35 kW/m<sup>2</sup>