

Table S1

TGA data of flame retardant EVA composites in air

| Samples | $T_{5wt\%}$ (°C) | $T_{10wt\%}$ (°C) | $T_{15wt\%}$ (°C) | $T_{50wt\%}$ (°C) | Residues at 600°C (%) | Residues at 800°C (%) |
|---------|---------------------|----------------------|----------------------|----------------------|--------------------------|--------------------------|
| EVA0 | 309.3 | 325.1 | 337.5 | 430.2 | 0.6 | 0.6 |
| EVA1 | 301.1 | 323.6 | 333.8 | 437.3 | 8.2 | 2.1 |
| EVA6 | 309.6 | 325.8 | 335.6 | 444.1 | 8.9 | 2.5 |
| EVA7 | 309.1 | 326.5 | 337.3 | 435.5 | 8.7 | 3.1 |
| EVA8 | 307.3 | 324.6 | 334.1 | 437.8 | 9.4 | 3.5 |
| EVA9 | 312.1 | 328.1 | 338.6 | 435.5 | 8.2 | 2.4 |
| EVA12 | 299.8 | 324.6 | 335.6 | 436.6 | 9.9 | 2.9 |

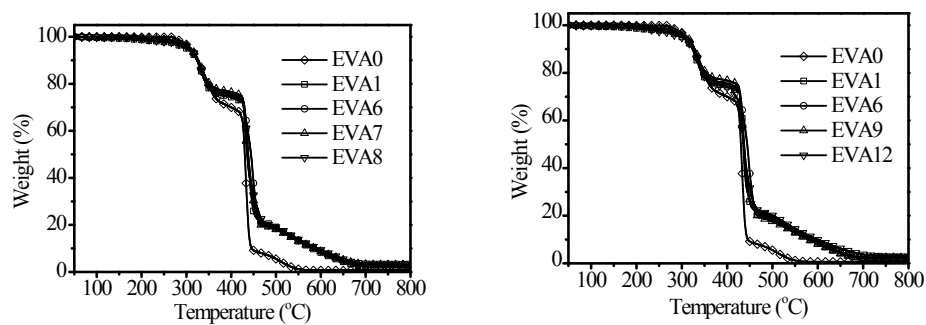


Fig. S1 TGA of IFR/EVA/SSA composites under air