Supporting Information

for

Synergistic influence of halogenated flame retardants and nanoclay on flame performance of high density polyethylene and wood flour composites

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Supporting information consists of 6 pages, 4 Figures and 1 Table.
Figure S1. Integrated TGA curves of composites A0, B15, C10, C15, D10 and D15
Figure S2. TGA curves of SA-8010 and SABT-93
Table S1. Thermogravimetric properties of SA-8010 and SABT-93

<table>
<thead>
<tr>
<th>Samples</th>
<th>$T_{1%}$ (°C)</th>
<th>$T_{\text{peak}1}$ (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA-8010</td>
<td>310</td>
<td>400</td>
</tr>
<tr>
<td>SABT-93</td>
<td>313</td>
<td>455</td>
</tr>
</tbody>
</table>

$T_{1\%}$ = decomposition temperature at 1% mass loss; $T_{\text{peak}1}$ = the first peak temperature
Figure S3. XRD pattern of composites A0.
Figure S4. TEM images of composites C10.