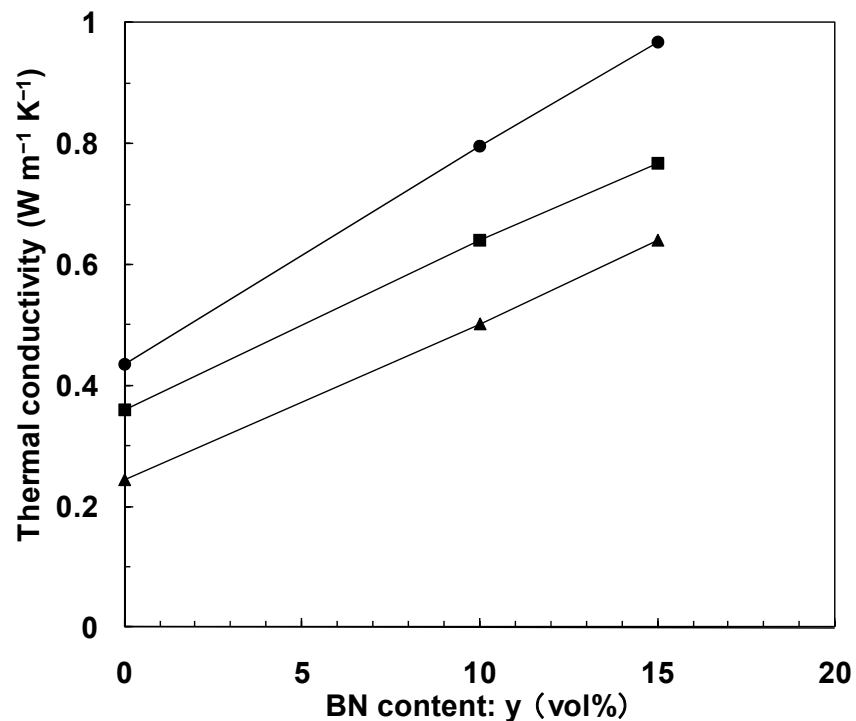


## Supplementary Information



**Supplementary Fig. 1** Thermal conductivity of PPS/BN ((100-y) %/y vol%) composites (▲), MWCNT/PPS/BN ((100-y)×0.01 vol%/(100-y)×0.99 vol%/y vol%) composites (■) and MWCNT/PPS/PE/EGMA/BN ((100-y)×0.01 vol%/(100-y)×0.71 vol%/(100-y)×0.21 vol%/(100-y)×0.07 vol%/y vol%) composites (●).