

Silver decorated boron nitride nanosheets as an effective hybrid filler in PMMA for high thermal conductivity electronic substrates

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Supplementary Information

Table S1: Volume fraction of components used in nanocomposites

Material	Vol fraction of hybrid filler (BNNS/AgNP)*	Vol fraction of BNNS	Vol fraction of AgNP
PMMA	0	0	0
PMMA-BA5	0.05	0.08	0.02
PMMA-BA15	0.15	0.23	0.06
PMMA-BA25	0.25	0.36	0.1
PMMA-BA35	0.35	0.47	0.15

* For all composites, the mass ratio of hBN and AgNO₃ is kept constant as 1:1

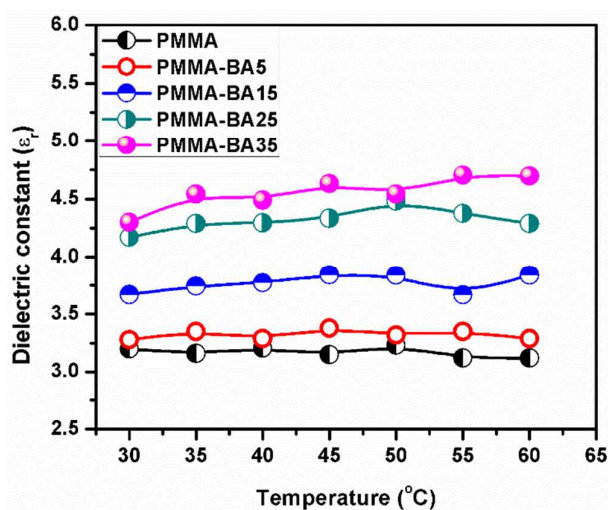


Figure S1: Variation of dielectric constant with temperature

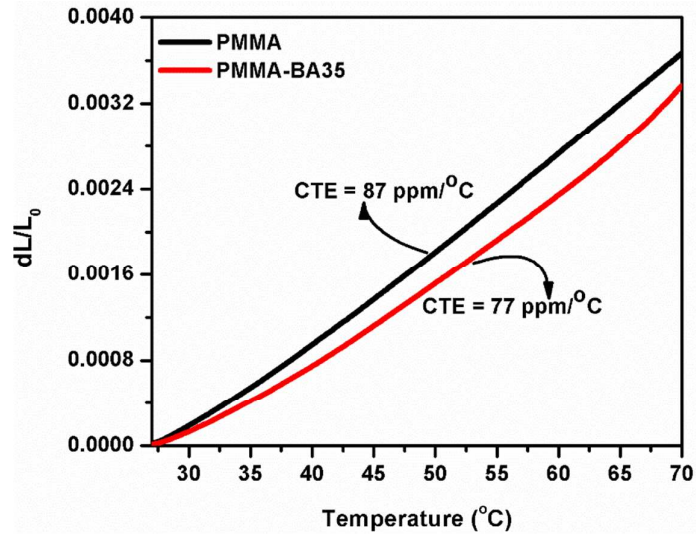


Figure S2: Thermal expansion behaviour of PMMA and PMMA-BA35