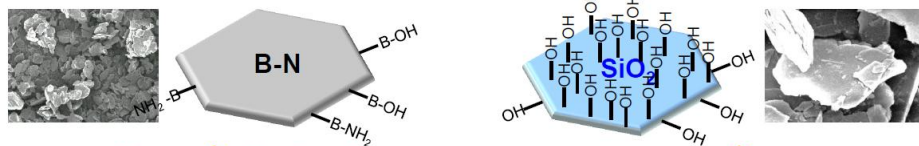
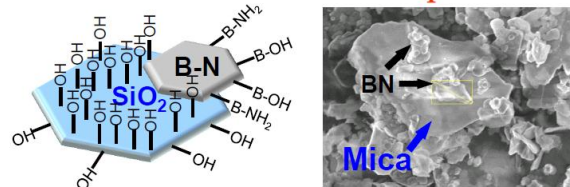


Boron Nitride (BN)

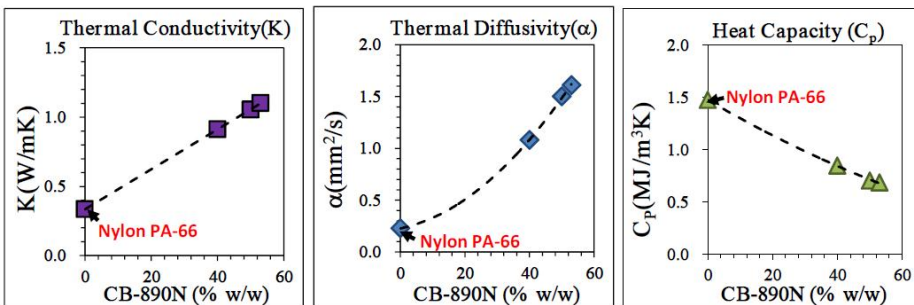
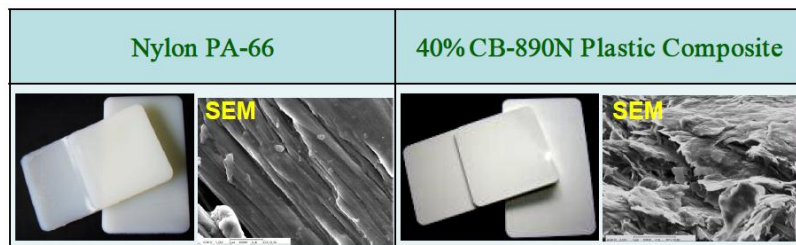


poor dispersion in plastic

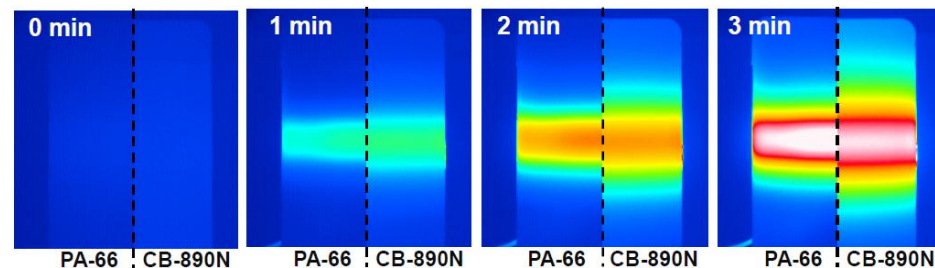
CB-890N : Mica/BN composite



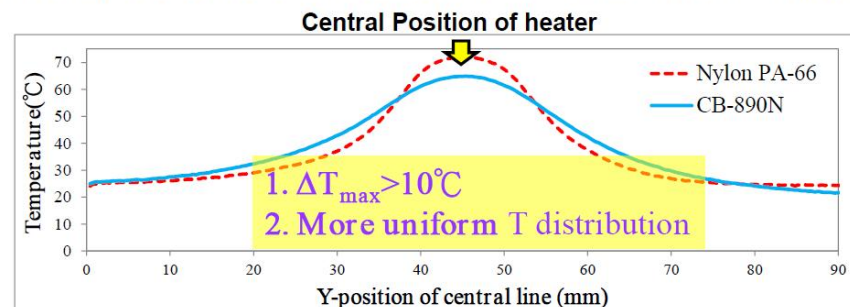
Mica is as the **carrier** of Boron Nitride to enhance dispersive ability.



Better thermal properties (higher K and α and lower C_p) for higher dosage of Alloy ceramic Mica-BN.



Temperature profile of vertical central line after 10W and 3 minutes heating:



Mica/BN Products	TC-68	TC-89	TC-99
Appearance	White powder	White powder	White powder
Average particle size (D_{50} , μm)	6-10	8-12	28-32
Specific gravity	2.5	2.4	2.5
Tap density (g/cm^3)	0.46-0.50	0.43-0.47	0.63-0.67
Whiteness	78-82	82-86	68-72
Mohs Hardness	2.0-2.4	2.0-2.4	2.0-2.4
pH	7-9	7-9	7-9
Moisture (%)	1↓	1↓	1↓

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