Supplementary materials

Environmental resistance and fatigue behaviors of epoxy/nano-boron nitride thermally conductive structural film adhesive toughened by polyphenoxy

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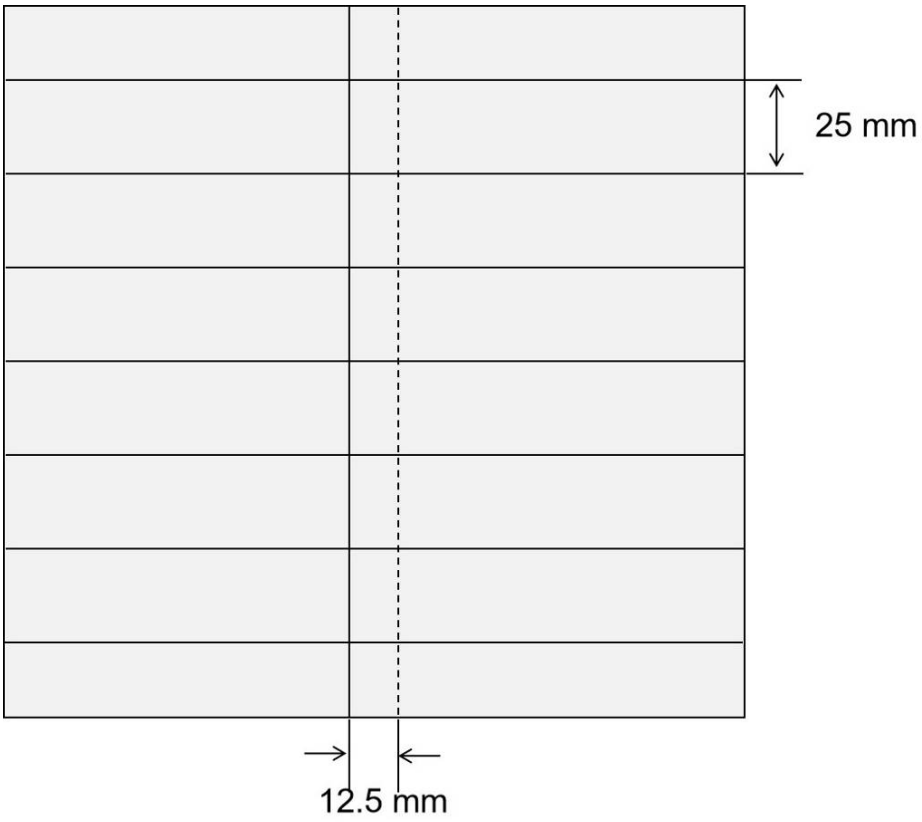

Figure S1. Schematic diagram of the adhesive bonded aluminum plates.

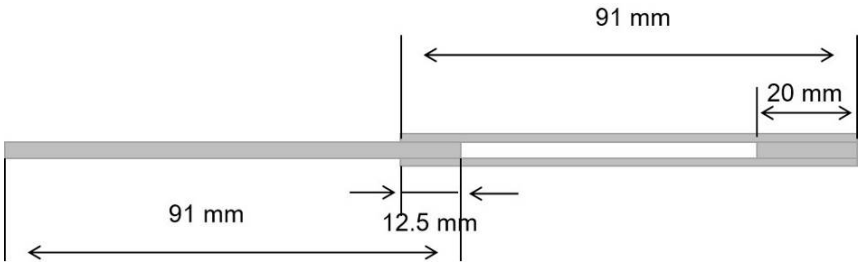

Figure S2. Size of double-lap shear specimen.

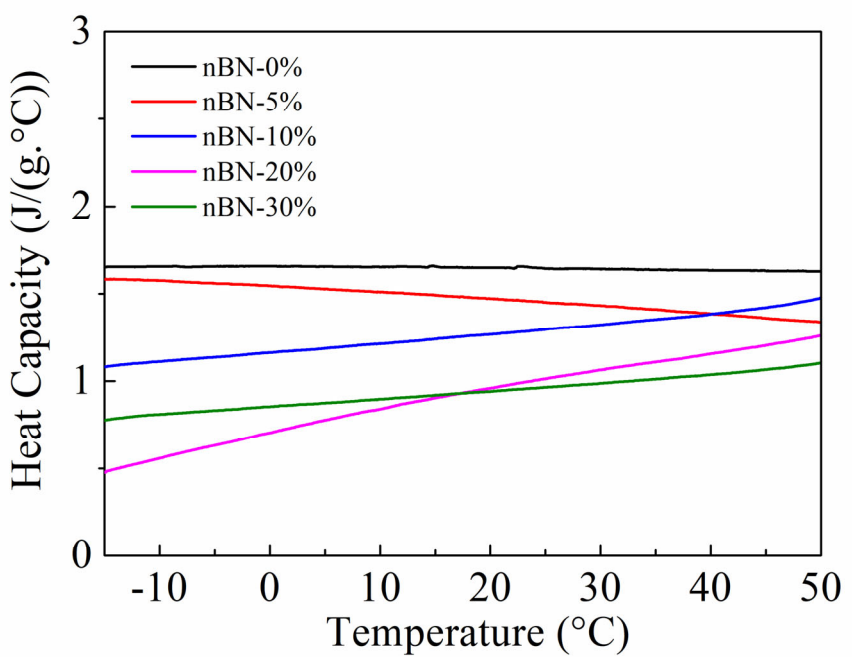

Figure S3. The heat capacity curve of the modified adhesive system.

Table S1. Heat capacity, thermal diffusivity, density and thermal conductivity of the modified adhesive system.

Sample	C_p (J/(g °C))	α (cm^2/s)	ρ (g/cm^3)	κ (W/mK)
nBN-0%	1.644	0.0010	1.30	0.22
nBN-5%	1.451	0.0014	1.33	0.27
nBN-10%	1.291	0.0020	1.35	0.35
nBN-20%	1.009	0.0035	1.40	0.50
nBN-30%	0.963	0.0047	1.44	0.65

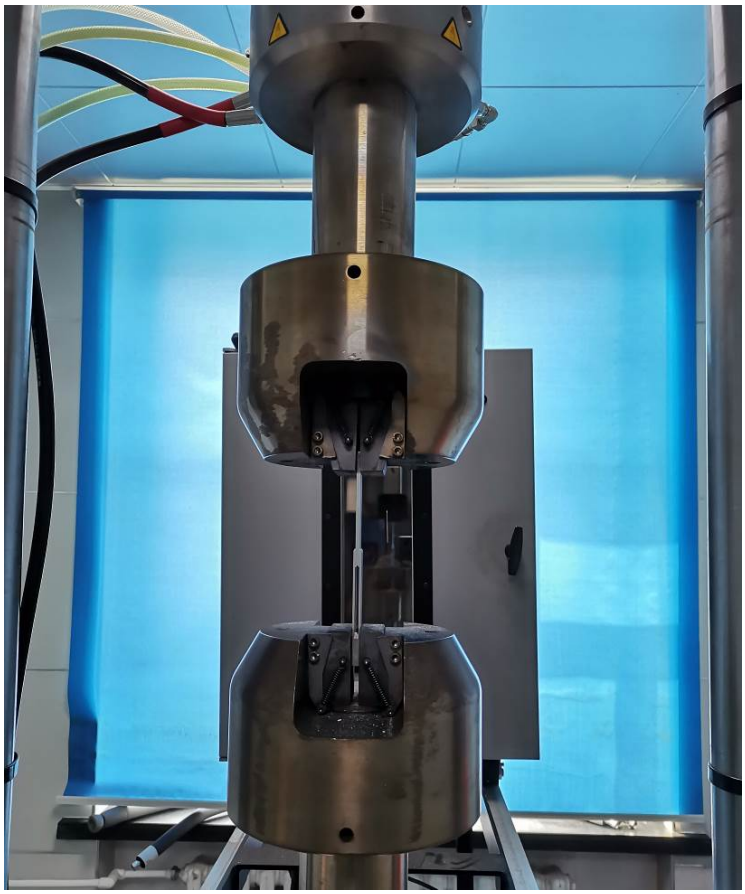

Figure S4. The fatigue test equipment.

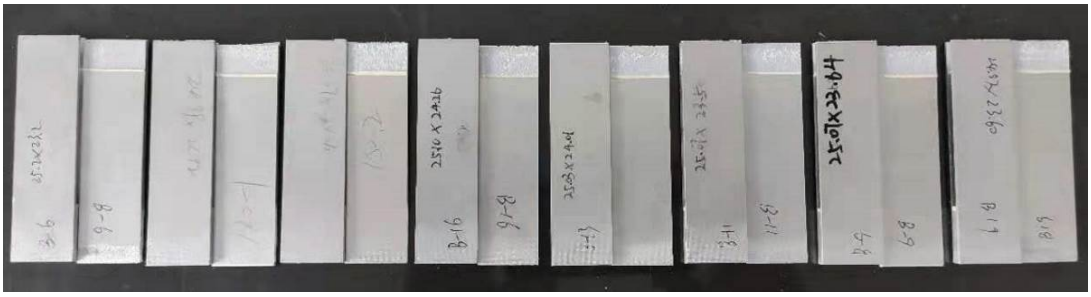

Figure S5. Photos of failed samples.