

## Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Saturated temperatures of the sample with 0 BNNSs.

File Name: Supplementary Movie 2

Description: Saturated temperatures of the sample with 25 wt% BNNSs.

File Name: Supplementary Movie 3

Description: Saturated temperatures of the sample with 30 wt% BNNSs.

File Name: Supplementary Movie 4

Description: Saturated temperatures of the sample with 35 wt% BNNSs.

File Name: Supplementary Movie 5

Description: Dynamic operational temperature fluctuation of stretchable strain sensor under repeating stretching-releasing processes