

Supporting information

Functional self-healing aldehyde derived nanoparticle-crosslinked Gelatin/PNIPAm based adhesive gels

P.A Parvathy ^{a, b}, Sriparna De ^c, Manjinder Singh ^d, Gaurav Manik ^d, Sushanta K. Sahoo* ^{a, b}

a. Materials Science and Technology Division, CSIR-National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram 695019, India

b. Academy of Scientific and Innovative Research (AcSIR), Ghaziabad- 201002, India

c. Department of Allied Health Sciences, Brainware University, Kolkata 700125, India

d. Department of Polymer and Process Engineering, Indian Institute of Technology, Roorkee 247667, India

Author Information

Corresponding Author

*E-mail: sushanta@niist.res.in; Tel +91-471-2515373 (S.K.S)

ORCID

Sushanta K Sahoo: 0000-0003-4845-1049

Results and discussion

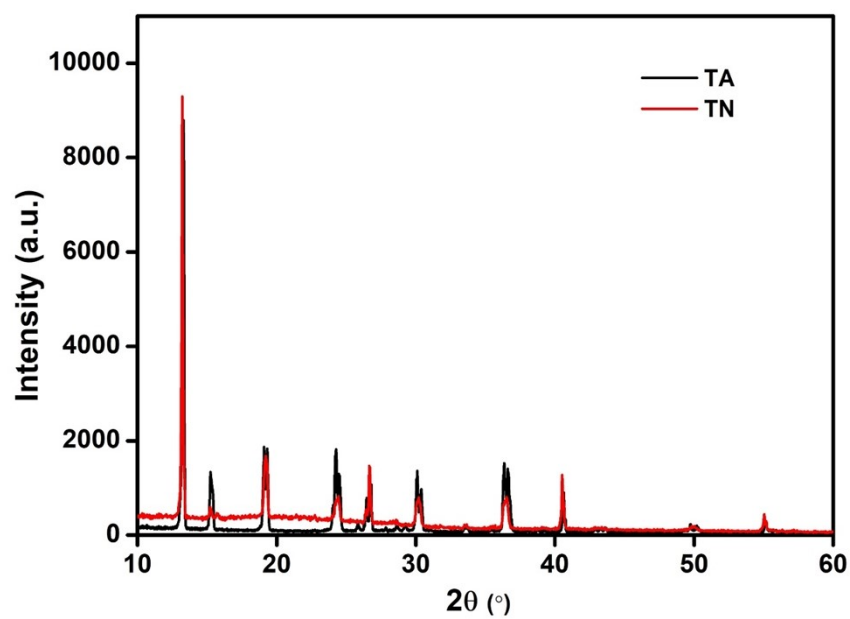


Fig S1. XRD pattern comparison of TA and TN

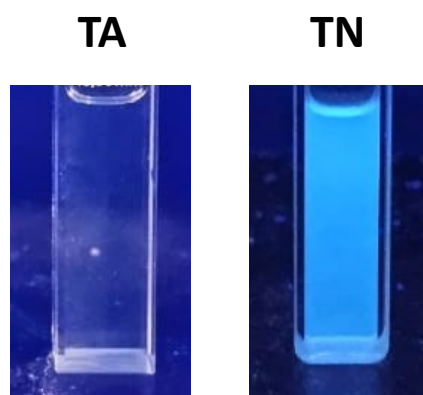


Fig S2. TA and TN solutions under UV light

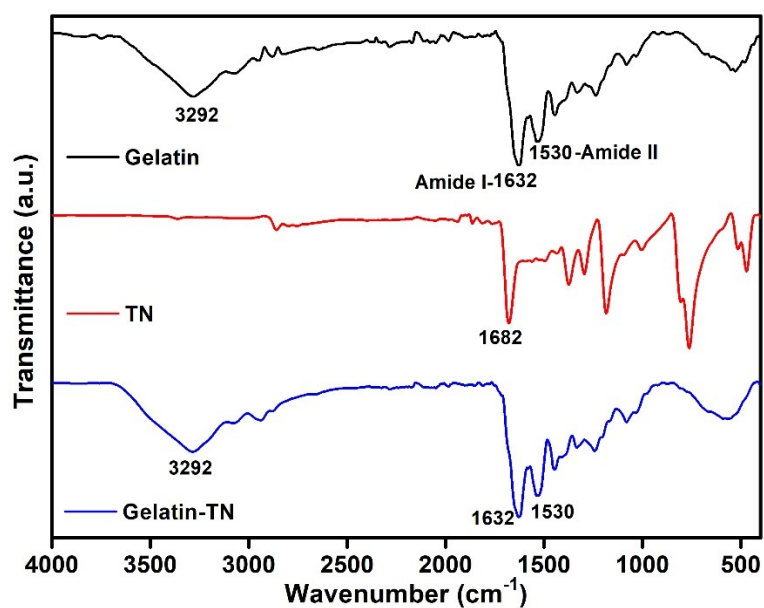


Fig S3. FT-IR-ATR comprison of gelatin, TN and Gelatin-TN

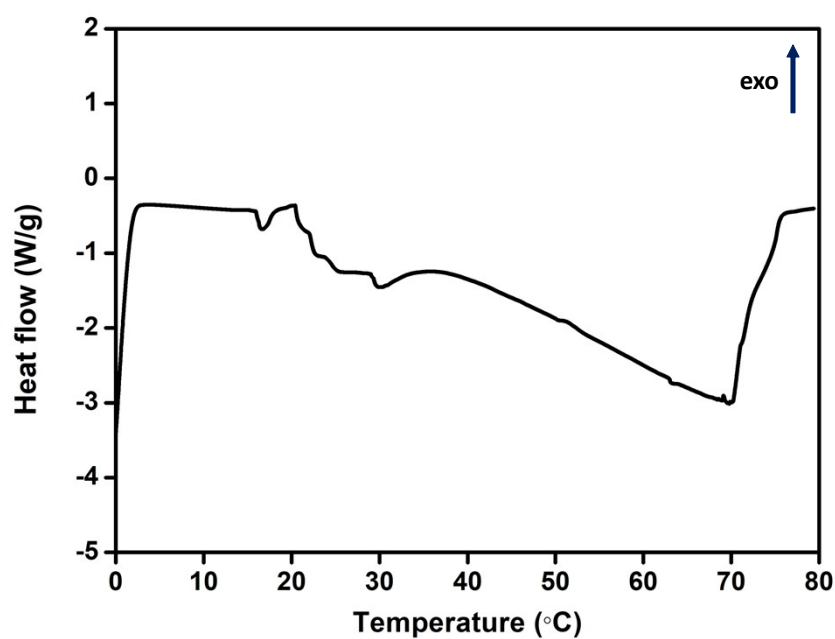


Fig S4. DSC thermogram of P5G5

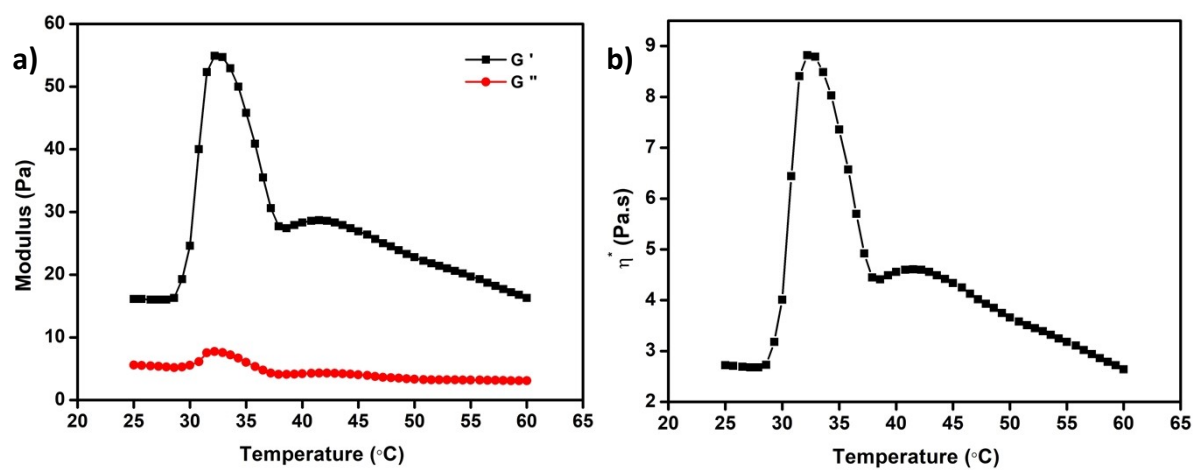


Fig S5. a) storage, loss modulus and b) complex viscosity of P5G5