

ADVANCED FUNCTIONAL MATERIALS

SELF-HEALING

On page 5261, Heo and Sodano report new thermo-responsive self-healing polyurethanes that use the shape memory effect to bring the crack faces into intimate contact, such that healing can take place, thus eliminating the need for an external force to close the crack. The image shows the specimen before and after healing, demonstrating the reformation of the polymer, which can be done repeatedly.

