Functional Polymers, Eco-Friendly Polymers

YOSHIE LAB.

Dynamic Polymer Materials

Department of Materials and Environmental Science

Environment - Conscious Polymeric Materials Science Department of Chemistry and Biotechnology, Graduate School of Engineering

http://yoshielab.iis.u-tokyo.ac.jp/

We create new high-performance materials such as tough self-healable elastomers and environment-responsive



Fe202, Fe203, Fe503

degradable polymers, through the dynamic control of hierarchical structure of polymeric materials spanning from molecular to mesoscopic scales.



toughness.

mechanically tough and self-healable.

Polymer with toughness and environment degradability



To tackle the global issue of plastic wastes, polymers that can degrade in environment are highly anticipated. We are developing polymer materials that keeps good toughness during use and can degrade rapidly by external stimuli in nature.

