

The ability to control swelling and degradation processes of hydrogels based on a mixture of PEGMA/PEGDA monomers

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Equipment Description:

Scanning electron microscope LEO SUPRA 50VP (Carl Zeiss, Germany) was used to study the microstructure of obtained hydrogels. The samples were coated with a 15 nm layer of chromium (Quorum Technologies QT-150T ES, Britain) to prevent charging of samples. Thermogravimetric (TG/DTA) analysis was used to evaluate the behavior of materials during heating, and it was performed with using a synchronous thermal analyzer STA 409 PC Luxx (Netzsch, Germany). The studies were carried out in the temperature range from room temperature to 550°C with a heating rate of 5°C/min in an air atmosphere.

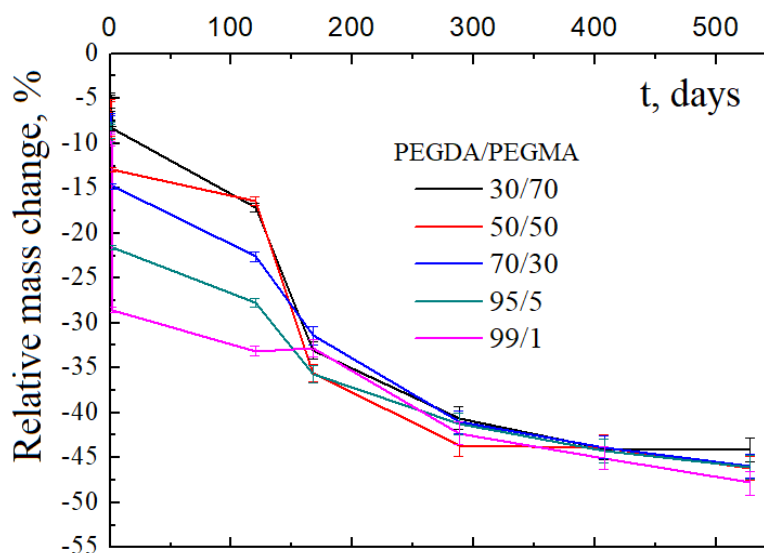


Figure S1 Relative mass change of hydrogels based on PEGMA/PEGDA monomers after swelling.

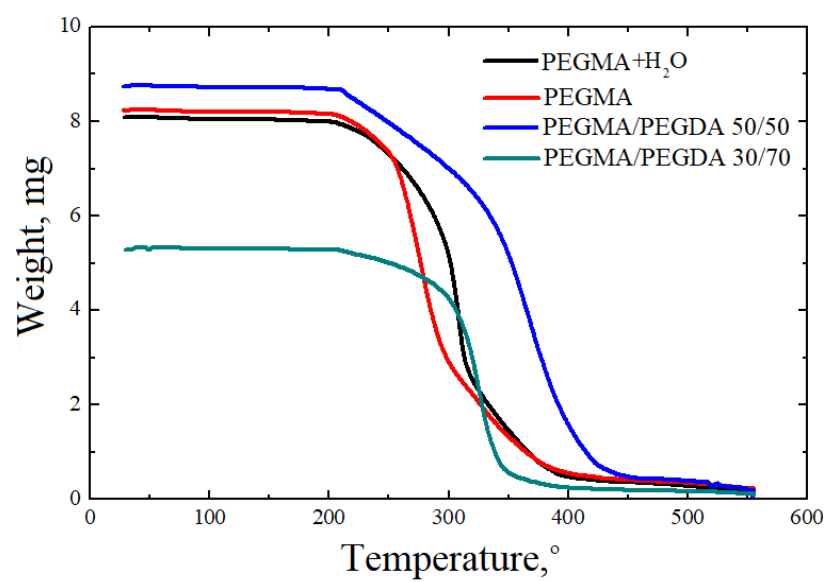


Figure S2 Thermogravimetric analysis of hydrogels based on PEGMA and a mixture of PEGMA/PEGDA monomers.