

**PREPARATION OF PHOTOCURABLE POROUS POLYACRYLATES
DERIVED FROM HIGH INTERNAL PHASE EMULSIONS AND THE STUDY
OF THEIR ABSORPTION PROPERTIES OF ORGANIC SOLVENTS**

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In this work is presented the preparation of photocurable high internal phase emulsions (HIPE) using acrylate monomers like isobornyl acrylate (IBOA), ethylhexyl acrylate (EHA) and trimethylolpropane triacrylate (TMPTA) and their polymerization. Kinetics of photopolymerization were determined in both, pristine acrylate monomers using the Real-Time Infrared Spectroscopy, as well as in the HIPE, by means of gravimetry. The emulsion templated photopolymerization resulted in porous polymers with characteristic morphologies. The obtained polymers were characterized by differential scanning calorimetry (DSC), Thermogravimetric Analysis (TGA), Shore Hardness and water contact angle (WCA). The monoliths displayed hydrophobic properties that allowed selective absorption of organic solvents