National Chung Hsing University / Polymer Synthesis / Spring 2013 Homework 1

Name					

1. A glazed building weighs 1000,000 kg. 90 percent of that is a fully cured crosslinked polyester resin (the remainder is the glass reinforcing fibers, pigment, fillers, etc.). What is the molecular weight of the polymer (in g/mol)?

2. A crosslinked polymer is made by reacting (assume completely) 2 mol of glycerin with 3 mol of terephthalic acid. What is the molecular weight of the resulting polymer?

= 3.46×10 9