The electrical RF transmission $S_{21}$ for Mach-Zehnder optical modulators based on a hybrid electro-optic polymer/sol-gel silica waveguide was demonstrated at a modulation frequency of up to 110 GHz (limit of our equipments) and then extrapolated to a 6 dB bandwidth of 130 GHz. The half-wave voltage and electrode length product corresponded to 4.15 Vcm (a single driving), which corresponds to 2.08 Vcm for a dual driven modulation. An in-device electro-optic coefficient, $r_{33}$ of 140 pm/V at a wavelength of 1.55 mm was obtained for the ultra-broadband MZ modulators.