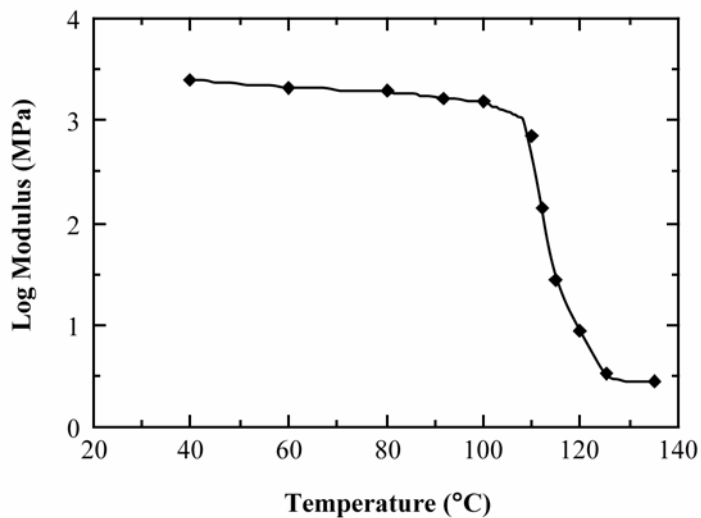15.4 Below is plotted the logarithm of $E_r(10)$ versus temperature.

The glass-transition temperature is that temperature corresponding to the abrupt decrease in log $E_r(10)$, which for this PMMA material is about 115°C.