The effect of three different galvanizing processes on the microstructure and tensile behavior and hardness of galvanized AISI 4140 steels was investigated. The thicknesses of the galvanized layers were measured as 34 µm, 90 µm and 140 µm for the electro galvanized, zinc-rich coated and hot dip galvanized AISI 4140 steels, respectively. No significant increase in tensile strength was observed with the galvanizing process. It was even observed that there was a decrease in tensile strength compared to the samples that were not galvanized. It is concluded that galvanizing processes is not effective in improving the tensile performance of AISI 4140 steels.