

HASTELLOY[®] G-30[®] alloy

Comparative 0.1 mm/y Line Plots

To compare the performance of HASTELLOY G-30 alloy with that of other materials, it is useful to plot the 0.1 mm/y lines. In the following graphs, the lines for G-30 alloy are compared with those of 625 alloy, 254SMO alloy, and 316L stainless steel, in hydrochloric and sulfuric acids. Note that the line for G-30 alloy is slightly higher than that for 625 alloy in sulfuric acid. The hydrochloric acid concentration limit of 20% is the azeotrope, above which corrosion tests are less reliable.

