

HASTELLOY[®] C-2000[®] alloy

Comparative 0.1 mm/y Line Plots

To compare the performance of HASTELLOY C-2000 alloy with that of other materials, it is useful to plot the 0.1 mm/y lines. In the following graphs, the lines for C-2000 alloy are compared with those of C-22 alloy, C-276 alloy, 625 alloy, 254SMO alloy, and 316L stainless steel, in hydrochloric and sulfuric acids. Note the superiority of C-2000 alloy in hydrochloric acid at concentrations up to 10%, and in sulfuric acid at concentrations up to 80%. The hydrochloric acid concentration limit of 20% is the azeotrope, above which corrosion tests are less reliable.

