

HASTELLOY® B-3® Alloy

Hydrobromic Acid

Conc. Wt.%	50°F	75°F	100°F	125°F	150°F	175°F	200°F	225°F	Boiling
	10°C	24°C	38°C	52°C	66°C	79°C	93°C	107°C	
2.5	-	-	0.07	0.11	0.26	-	0.24	-	0.02
5	-	0.04	0.1	-	0.27	-	0.25	-	0.03
7.5	-	-	-	-	-	-	-	-	-
10	-	0.05	0.15	-	0.29	-	0.28	-	0.1
15	-	-	-	-	-	-	-	-	-
20	-	0.04	0.12	0.19	0.27	-	0.27	-	0.1
25	-	-	-	-	-	-	-	-	-
30	-	0.03	0.1	0.15	0.2	-	0.29	-	0.29
40	-	0.02	0.06	0.11	0.16	-	0.25	-	0.43

All corrosion rates are in millimeters per year (mm/y); to convert to mils (thousandths of an inch) per year, divide by 0.0254.

Data are from Corrosion Laboratory Jobs 71-97, 26-99, and 49-99.

All tests were performed in reagent grade acids under laboratory conditions; field tests are encouraged prior to industrial use.

HASTELLOY® B-3® Alloy

Iso-Corrosion Diagram for B-3 Alloy in Hydrobromic Acid

