

HASTELLOY® HYBRID-BC1® 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	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	0.08
7.5	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	0.01	0.05	-	0.21
15	-	-	-	-	-	-	-	-	-
20	-	-	-	-	0.04	0.31	0.37	-	0.47
25	-	-	-	-	-	-	-	-	-
30	-	-	0.11	0.17	0.24	0.31	0.37	-	0.68
40	-	-	0.09	0.14	0.2	0.28	0.34	-	0.85

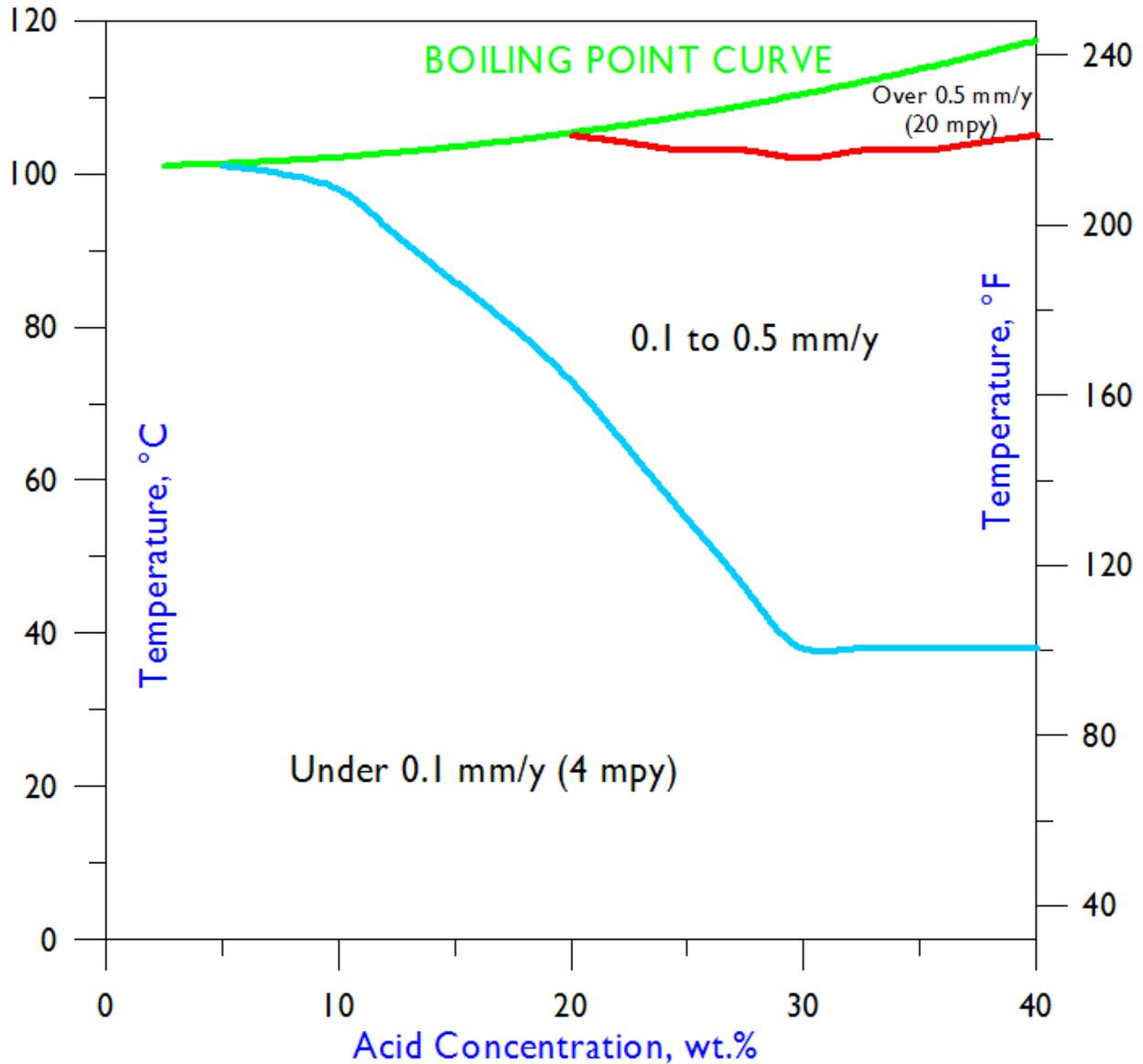
All corrosion rates are in millimeters per year (mm/y); to convert to mils (thousandths of an inch) per year, divide by 0.0254.

Data are from Corrosion Laboratory Jobs 23-07 and 5-08.

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

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Iso-Corrosion Diagram for HYBRID-BC1 Alloy in Hydrobromic Acid



When using this data, please refer to our disclaimer located at www.haynesintl.com