

HASTELLOY® HYBRID-BC1® Alloy

Phosphoric Acid

Conc. Wt.%	125°F	150°F	175°F	200°F	225°F	250°F	275°F	300°F	Boiling
	52°C	66°C	79°C	93°C	107°C	121°C	135°C	149°C	
50	-	-	-	-	-	-	-	-	0.12
60	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	0.11	-	-	0.19
75	-	-	-	-	-	0.02	-	-	0.2
80	-	-	-	-	-	0.02	0.02	-	0.33
85	-	-	-	-	-	0.01	0.02	0.46	0.67

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 Job 8-08.

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

HASTELLOY® HYBRID-BC1® Alloy

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

