

## HASTELLOY® HYBRID-BC1® Alloy

### Nitric 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	
10	-	-	-	-	-	0.04	0.07	-	0.13
20	-	-	-	0.05	0.15	-	-	-	-
30	-	-	0.07	0.13	0.28	0.74	4.72	-	-
40	-	-	0.1	0.2	-	-	-	-	-
50	-	-	0.11	0.29	0.98	4.45	17.4	-	-
60	-	-	0.14	0.4	-	-	-	-	-
70	-	0.08	0.19	0.54	2.62	9.54	20.52	-	-

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 24-07, 7-08 and 17-12.

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 Nitric Acid

