

## ULTIMET® Alloy

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### 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	-	-	-	-	-	-	-	-	<0.01
20	-	-	-	-	-	-	-	-	<0.01
30	-	-	-	-	-	-	-	-	0.01
40	-	-	-	-	-	-	-	-	0.03
50	-	-	-	-	-	-	-	-	0.07
60	-	-	-	-	-	-	0.03	-	0.12
65	-	-	-	-	-	-	0.04	-	0.15
70	-	-	-	-	-	-	0.06	-	0.18

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 182-90.

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 ULTIMET Alloy in Nitric Acid

