

## ULTIMET® Alloy

### Phosphoric Acid

Conc. Wt.%	125°F	150°F	175°F	200°F	225°F	250°F	Boiling
	52°C	66°C	79°C	93°C	107°C	121°C	
10	-	-	-	-	-	-	<0.01
20	-	-	-	-	-	-	0.01
30	-	-	-	-	-	-	0.01
40	-	-	-	-	-	-	0.03
50	-	-	-	<0.01	-	-	0.14
60	-	-	-	0.01	-	0.01	0.25
70	-	-	-	0.01	0.01	0.02	0.46
80	-	-	-	0.01	0.07	0.55	10.95
85	-	-	-	0.01	0.07	0.57	30.58

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 183-90.

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

# ULTIMET<sup>®</sup> Alloy

## Iso-Corrosion Diagram for ULTIMET Alloy in Phosphoric Acid

