

HAYNES[®] 25 alloy

Aqueous Corrosion Resistance

HAYNES 25 alloy was not designed for resistance to corrosive aqueous media. Representative average corrosion data are given for comparison. For applications requiring corrosion resistance in aqueous environments, ULTIMET[®] alloy and HASTELLOY[®] corrosion-resistant alloys should be considered.

Alloy	Average Corrosion Rate, per year					
	1% HCl (Boiling)		10% H ₂ SO ₄ (Boiling)		65% HNO ₃ (Boiling)	
-	mils	mm	mils	mm	mils	mm
ULTIMET [®]	<1	<0.03	99	2.51	6	0.15
C-22 [®]	3	0.08	12	0.30	134	3.40
25	226	5.74	131	3.33	31	0.79
316L	524	13.31	1868	47.45	9	0.23