

HAYNES[®] 242[®] alloy

Resistance to Molten Salt

Samples were partially submerged in molten flux at 1250°F for 1200 hours. Flux consisted of boric acid, boron elemental, potassium fluoride, potassium tetraborate tetrahydrate, potassium fluoborate, potassium hydrogen difluoride, and potassium pentaborate.

Alloy	Corrosion Rate	
	mils / 24 h	µm / 24 h
242[®]	0.5	13
N	0.6	15
C-276	0.9	23