

HASTELLOY[®] HYBRID-BC1[®] alloy

Resistance to Stress Corrosion Cracking

A common solution for assessing the resistance to chloride-induced stress corrosion cracking of a material is boiling 45 wt.% magnesium chloride. This table indicates the times required to induce cracking in U-bend samples. The tests were stopped after six weeks (1,008 hours).

Alloy	Time to Cracking
HYBRID-BC1[®]	No cracking in 1,008 h
C-4	No cracking in 1,008 h
C-22[®]	No cracking in 1,008 h
C-276	No cracking in 1,008 h
C-2000[®]	No cracking in 1,008 h
316L	2 h
254SMO[®]	24 h
625	No cracking in 1,008 h