

## HASTELLOY<sup>®</sup> HYBRID-BC1<sup>®</sup> 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).

<b>Alloy</b>	<b>Time to Cracking</b>
<b>HYBRID-BC1<sup>®</sup></b>	<b>No cracking in 1,008 h</b>
<b>C-4</b>	No cracking in 1,008 h
<b>C-22<sup>®</sup></b>	No cracking in 1,008 h
<b>C-276</b>	No cracking in 1,008 h
<b>C-2000<sup>®</sup></b>	No cracking in 1,008 h
<b>316L</b>	2 h
<b>254SMO<sup>®</sup></b>	24 h
<b>625</b>	No cracking in 1,008 h