

HASTELLOY[®] C-22HS[®] alloy

Resistance to Hydrogen Embrittlement

Slow Strain Rate Tensile Test – Cold-worked Material

Environment	Max. Load		Normalized Factor	Time to Failure h
	lb	kg		
Air	3997	1813	-	11.6
Air	4008	1818	-	14.1
3.5% NaCl	4020	1823	1.00	12.9
3.5% NaCl	3937	1786	0.98	11.1
3.5% NaCl @ -850 mV	3925	1780	0.98	10.9
3.5% NaCl @ -850 mV	4003	1816	1.00	13.6
3.5% NaCl @ -1000 mV	3956	1794	0.99	13.8
3.5% NaCl @ -1000 mV	3908	1773	0.98	10.9