

FUTURE ALLOYS

ALLOY 20

SPECIFICATIONS	UNS N08020				ASTM B-463				ASME SB-463			
CHEMICAL COMPOSITION %	MIN	NI 32.0	CR 19.0	MO 2.0	MN ---	SI ---	CU 3.0	C ---	C+T ---	S ---	P ---	FE ---
	MAX	38.0	21.0	3.0	2.0	1.0	4.0	0.07	0.4	0.035	0.045	balance
PHYSICAL PROPERTIES	POISSON'S RATIO		MELTING RANGE			DENSITY 0.292 lb/in ³		ELECTRICAL RESISTIVITY 108 microhm-cm. at 68° F				
	TEMPATURE, °F											
	COEFFICIENT OF THERMAL EXPANSION IN/IN °F x 10 ⁻⁶											
	THERMAL CONDUCTIVITY Bru · FT/FT ² · hr · °F											
	MODULAS OF ELASTICITY DYNAMIC, psi x 10 ⁶				28							
MECHANICAL PROPERTIES	TENSILE STRENGTH						ELONGATION %					
	0.2% YEILD STRENGTH						HARDNESS MAX, Bhn 200 - 220					
APPLICATIONS	Chemical processing, Pharmacueticals, Food processing											