

FUTURE ALLOYS

ALLOY 2507

SPECIFICATIONS	UNS S32750	ASTM A-240						ASME SA-240			
CHEMICAL COMPOSITION %	MIN	NI 6.0	CR 24.0	MO 3.0	MN ---	SI ---	C ---	N .24	S ---	P ---	FE ---
	MAX	8.0	26.0	5.0	1.2	0.80	0.03	.32	0.02	0.035	balance
PHYSICAL PROPERTIES	POISSON'S RATIO	MELTING RANGE			DENSITY 0.283 lb/in ³			ELECTRICAL RESISTIVITY 33.5 x 10 ⁻⁶ in.			
	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			29		---		---		---	
MECHANICAL PROPERTIES	TENSILE STRENGTH						ELONGATION %				
	0.2% YEILD STRENGTH						HARDNESS MAX, Bhn				
APPLICATIONS	Pulp and paper, Desalination, Pressure vessels, Heat exchangers										