

SEA-CURE®

Comparative Properties for Aggressive Cooling Water Candidates



OVER 70 MILLION FEET
IN SERVICE WORLDWIDE

Property	SEA-CURE®	Ti Grade 2	90-10 Cu/Ni	AL6XN®
Ultimate Strength*	586 MPa	345 MPa	276 MPa	689 MPa
Yield Strength*	478 MPa	276 MPa	103 MPa	310 MPa
Elongation*	20%	20%	25%	30%
Rockwell Hardness**	Rc 25	Rb 92	Rb 20	Rb 100
Modulus of Elasticity	2.17 x 10⁵	1.06 x 10 ⁵ ***	1.24 x 10 ⁵	1.94 x 10 ⁵
Density (kg/m ³)	7.695	4.429	8.858	8.027
Thermal Expansion (mm/mm-°C)	9.68	9.4	17.1	15.7
Thermal Conductivity (watts/m-°K)	17.1	21.6	45.0	13.7
Fatigue Endurance	241 MPa	110 MPa	172 MPa	227 MPa

* Minimum ASTM Value

** Maximum ASTM Value

*** Average of Longitudinal and Transverse

More SEA-CURE® information is available at www.seacuresolutions.com.



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