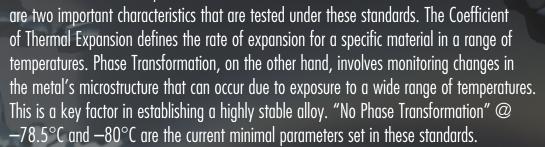
## WHY-196°C IS SO IMPORTANT

Today's rapidly advancing technological world requires high tech alloys to meet the demands of these newer complex applications. Some of the older alloys such as ASTM F15 Alloy (Kovar), has stood the test of time and is still widely used in both old and new technologies.

The AMS I 23011 and ASTM F15 are the standards that define the parameters of testing for ASTM F15 alloy. Coefficient of Thermal Expansion and Phase Transformation



NEA has privately researched and defined an extension to far exceed these parameters, certifying our ASTM F15 Alloy to allow "No Phase Transformation" down to -196°C.

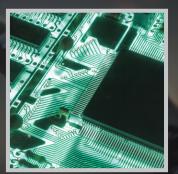


-196°C is the temperature of liquid nitrogen and what is used in this extended testing. This extreme temperature mimics the colder temperatures in space making it useful in testing for Aerospace engineering and design. Material that meets these extended parameters provides a more stable material and, therefore, a more stable and reliable part.

Understanding today's needs for Controlled and Low Expansion Alloys and striving to achieve the maximum capability will continue to prove the value of these time-tested Alloys.









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