
Storage of KLINGERSIL[®] Material

KLINGERSIL[®] compressed, "C" grade gasket materials are, like all non-metallic materials, subject to a natural aging process. Depending on the type and quality of elastomer, its vulcanization process, and storage conditions, the rate of aging may vary.

All KLINGERSIL[®] grades contain elastomeric binder. Due to the relatively small proportion of elastomeric components contained in the product which are subject to an aging process, the influence exerted on the whole product is smaller than that which would occur in a purely elastomeric compound.

However, poor storage conditions can lead to the reduction in quality of KLINGERSIL[®] compressed materials. Of major influence are increased temperature, a low humidity level, and the effects of strong, direct light.

Therefore, we recommend the following ideal storage conditions:

- Storage temperature below 75°F
- Humidity level between 50 – 60%
- Protection from direct sun light or other intensive light sources

With these conditions, a shelf life of at least 5 years can be expected. When these conditions are not met, it is not possible to determine the absolute life limit or the reduction in useful life. However it is known that if the material is stored at a room temperature over 85°F for a long period, the material could possibly become aged beyond ideal use in as little as two years.

The ability of a gasket material to make and maintain a seal depends not only on the quality of the gasket material, but also on medium being sealed, the flange design, the amount of pressure applied to the gasket by the bolts and how the gasket is assembled into the flanges and tightened.

For product safety information, warranty and damage limitations, refer to the Material Safety Data Sheet (MSDS).