

Shelf Life of KLINGER gasket material

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KLINGERSIL® gasket material is as all elastomeres and elastomere containing material subject to a natural ageing process. This process is depending on the kind of elastomer, its vulcanisation system and the storage conditions.

For all KLINGERSIL® -sheets and -gaskets the share of the elastomere as binder is between 10 to 30 % according to DIN 28091-2. The relatively small share of parts which are subject to the ageing process shows, that this influence on to the whole product is smaller as on a product of pure elastomer.

Nevertheless unfavourable storage conditions can lead to a premature reduction of the materials quality. Above all there is to mention elevated temperature, too low humidity as well as strong illumination.

As an ideal storage condition we propose:

- Temperature < 25 °C
- relative humidity 50 - 60 %
- darkened storage room

Under these conditions a period of storage of approx. 5 years is possible. Actually there is no chance to define the changing of the storage time due to changes of one of the above influence factors.

The main factor undoubtedly is the storage temperature. As temperatures higher than 30 °C appears over a longer period, a reduction of the material properties can occur already after 2 years.

As in this conjunction detailed specifications are not possible, we propose the conditioning of the storage rooms as mentioned above.

Ready made gaskets should be stored flat as, particularly for bigger gasket sizes, tensions and distortions can occur and complicates the installation.