

Technical Datasheet:
Information regarding storage and operation
period of rubber and rubber to metal components

RUBBER- AND
PLASTIC TECHNOLOGY



The storage period of our rubber and rubber to metal components was fixed acc. to DIN 95360 :

1.	Storage time	
	1 st delivery point	max. 2.5 years
	1 st assembly point	max. 5 years

The maximum storage period we recommend as per ISO 2230 :

Classification of group	Initial storage period	Extension storage periods
Group A rubbers (NR,SBR,BR,...)	5 years	2 years
Group B rubbers (NBR,CR,IIR,...)	7 years	3 years
Group C rubbers (EPDM,Silicone,...)	10 years	5 years

NOTE If the storage temperature is over or under 25°C, this will influence the storage time. Storage at a 10°C higher temperature will reduce the storage time by about 50% and storage at a 10°C lower temperature will increase the storage time by about 100 %.

The maximum operating period acc. DIN 95360, is specified as follows:

2.	Operating period		
	Environmental temperatur [°C]	Admissible Operating period in years when operating max. 3,000 hours/year ⁴	
	-30 bis 55	10	
	-30 bis 80	5	

⁴ when operating > 3,000 hours/year and/or the components are effected with aggressive media i. e. Ozone, Oilfog, Saltwater or in air that is containing saltwater the the operating period will reduce acc. to circumstances

Always bear in mind that it must be assumed that due to the natural aging process of rubber of a recommended service life of up to 6 years when operating in standard range of temperature and load. After this period, the the components have to be inspected.

Rubber-metal parts and rubber parts are maintenance free during operational use.

An exchange of the components has to be done if:

- by setting and creep in compression direction only 70% of the initial rubber thickness is reached
- have formed several distinct cracks per cm rubber surface due to weathering
- the item by not permissible oil wetting strongly is swollen
- a loss of rubber-metal adhesion (possibly due to sub-surface rust or corrosion of metal parts) has occurred
- mechanical damages are present and due to the notch sensitivity of the rubber they will lead to further destruction of the product.

Rev: 04.2018

Subject to changes

This technical datasheet should assist and consult you. All containing data corresponds to our experience and knowledge at the date of publishing. The test of ability of our products and the check of qualification for the designated applications is at the responsibility of our customers. This in mind a binding assurance or guarantee of specified properties or ability of our products or materials for a precise purpose is not committed or interpretable!

Errors and alterations expected