

PXL SEALS

Systèmes d'étanchéité pour l'énergie et les grands roulements
Sealing Systems for Energy and Large Bearings
Sistemas de vedação para a energia e os grandes rolamentos

27, rue de l'Industrie
01200 Bellegarde-sur-Valserine
France
Tel : +33 (0)4 50 48 02 09
Fax : +33 (0)4 50 48 59 99

www.pxlseals.com



Creation date : 8.12.09
Revision : A 20/09/13

RECOMMENDATIONS FOR SEALS STORAGE

The characteristics of vulcanized elastomer products deteriorate gradually in time with a process called ageing, which depends on the material formulation and on the elastomer basic.

This ageing is characterized by physical properties variations of the material. Therefore, when launching these products may not keep their initial characteristics corresponding to their optimal use.

Modifications can result from a particular factor or from a combination of factors, namely: oxygen, heat, light or humidity action. These risks can be minimized by an careful choice of storage conditions.

Packaging must be waterproof and opaque, if possible. Stains must be avoided.

If bagging is not possible, for example due to the product size, packing must prevent the product from stain, light and direct contact with air.

STORAGE CONDITIONS

To keep all their characteristics, products must be stored in the order they are coming in.

1° - LIGHT

Products must be stocked safe from any lights : direct reflected sunlight or high artificial light which have a high content in UV light.

2° - TEMPERATURE

The storage temperature must be lower than 25°C and products must be stocked far from direct sources of temperature. If the storage temperature is lower than 15°C, the products must be moved taken because they become stiffer. It might be necessary to raise the temperature before mounting them and putting them into service.

3° - ATMOSPHERE

There must be humidity of 45 to 70%. If there is ventilation, it should be the lowest. Avoid air current. Air in the storage area must not contain aggressive vapours like solvent or acid.

Ozone emissions and ionized radiations are particularly noxious, such steam lamps of mercury, electrical equipments with high voltage, or devices which produce sparks and therefore seals should be kept away from them.

4° - DISTORSION

Some important distortions could be permanent because of a wrong storage. These deformations can increase the ozone attack by creating cracks therefore the products should be stocked freely, as possible laid down flat straight or on appropriated shapes. However, it is not recommended to store seals with large dimensions which could be wound or superposed. The height of stacking must be also limited.

5° - CONTACT WITH LIQUID MATERIALS AND THEIR VAPOURS, METALS OR POWDER

The products must not be in contact neither with some liquids nor with their vapours.

Some metals, like the copper, the manganese, have noxious effects on elastomer. Powders in contact with the products must not contain constituents having a noxious effect on the elastomer.

STORAGE TIME

The storage time of the products depends on the group of their material. You will find below the maximum storage time of them if our recommendations are properly followed.

GROUP	STORAGE TIME MAX.
GROUP SBR, NR	2 years
GROUP NBR & by-products, CR, IIR	3 years
GROUP FPM, EPDM, Silicone	5 years
GROUP PTFE, PU	10 years

WARRANTY

Only products used and installed according to the instructions given by PXL Industries are warranted by PXL Industries during one year from the date of the delivery. This warranty is strictly limited to the value of the delivered seals.

REFERENCES

Norme ISO 2230 : 2002 RUBBER PRODUCTS – Guidelines for storage
Norme NF L17 – 104 : Matériaux caoutchouc. Produits non montés
Norme NF L17 – 103 : Elastomères – Produits non montés Conditions d'emballage et de stockage

T:\SVP\DIVPRO\Conception\Fiches techniques Joints et matières\Joint\STOCKAGE\Storage elastomere-anglais.doc