

General Storing Direction

Subject	Ref. No.	Page
Storage Direction for PHE gaskets		1 / 1
Issued by	Department	Date
Cecilia Molander	R & D	August 2008

General Storage Direction for PHE Gaskets

Common

Inappropriate handling and unfavorable storage conditions can cause physical property changes in many rubber materials. The changes can lead to change of hardness, remaining deformation, cracks, crazing or other surface defects. The change may depend on the effect of e.g. air oxygen, ozone, heat, light, atmospheric humidity, solvent or compressive pressure during the storage. Correctly handled and stored rubber products can stay unaffected and maintain their quality for a long time.

Warehouse

Shall be cool, dry, dustless and with moderate ventilation. The premises should also be rather dark and protected against sunlight.

Temperature

If the temperature exceeds 20°C there will be a gradual deterioration of the physical properties and thus a reduced functional capacity. A temperature increase by 10°C may double the ageing speed.

The temperature should not be below - 10°C. Lower temperature is, as a rule, not bad but the rubber products may be very rigid at low temperature.

Rubber products exposed to low temperature during storage or transport can show cold rigidity. These products shall, before beginning to use, be thawed out during a longer period of time at 20°C or a bit higher temperature. Thawing is preferably done in original packing to avoid condensation water on the products.

Lighting

Rubber products shall be protected against light, particularly direct exposure of the sun and artificial light with high substance of UV-light.

Air and ozone

Ozone is harmful for all types of rubber products. By no means may ozone-producing machinery be placed in connection with warehouse or storage of rubber products. Example on ozone-producing machinery is electric motors and similar devices, which can form sparks at which ozone is formed.

Packing the gaskets in sealed plastic bags or wrapping the crate with gaskets with plastic, will protect the gasket from ozone exposure.

During 2008 the original packing of gaskets was changed; to sealed plastic bags or wrapped crates for gaskets in Butyl-, Nitrile- and Chloroprene rubber.