Instructions for Storage of Splicing Material

The duration of the storage stability of splicing materials – core rubber, cover compound rubber and vulcanizing solvent – depends mainly on the behavior which is characterized by the criteria vulcanization and migration.

Vulcanization can be caused by a too long storage and/or an incorrect warehousing (too high temperature).

For core rubber and cover compound rubber, sheet material drawn in foil there is generally valid a storage ability of

- cover compound rubber 6 Months
- core rubber 6 Months

The above-mentioned storage stabilities are valid on the following storage conditions (recommendation):

- room temperature max. 18° - 24°C
- rel. atmospheric humidity 40 – 75 %

Placing the splicing materials in a cold storage at + 4 °C increases the storage stability significantly. The materials should be allowed 1-2 days acclimatization prior to its use.

Migration is an effect regarding the raw sheets where the various compounds components (in particular light protection and age resisters) migrate from inside to outside and form a coat (efflorescence) on the surface of sheets.

The migration of the compound components to the surface of the raw sheets already starts shortly after manufacture of the compound so that a coat can already be seen when delivering the raw sheets.

Such a coat can cause an insufficient joint of the plies and impacts.

In this case the cover or core rubber compound have to be roughly washed with usual solvent in any case before further processing and processed after drying.

Vulcanization solvent has a storage stability of

3 months at about 20°C,

6 months at about 10°C

During the period of storage, thickening of the solvent (tixostrope effect by silicic acid) may easily occur at the vulcanization solvent.

This process is reversible and the thick solvent can be made usable again by intensive stirring.

Storing of the solvent at cold storage temperatures cannot be recommended but apart from that the solvent can be processed best and correctly at room temperatures of about 22°C to 24°C.