

# KAIFLEX silicone-free insulation materials

The following should be noted regarding the composition of KAIFLEX insulation materials:

KAIFLEX is an extremely flexible insulation material based on synthetic rubber which consists of nearly 30 basic components. The most important substances are:

- Synthetic rubber (based on elastomer)
- Filler materials
- Expanding agents (responsible for the expansion process during manufacture)
- Activators and sulphur
- Softeners (affect, inter alia, flexibility)
- Antioxidants (e.g. special types of paraffin wax)
- Flame-retardant agents

**KAIFLEX products do NOT contain the following substances** (excluding self-adhesive material):

Substances	KAIFLEX KKplus	KAIFLEX ST	KAIFLEX EF	KAIFLEX BLUECO	KAIFLEX HF	KAIFLEX EPDM	KAIFLEX HTplus	KAIFLEX DUCT- ALU
Asbestos	X	X	X	X	X	X	X	X
2-Naphthylamine, 4-Aminobiphenyl, benzidine, 4-Nitrobiphenyl and its salts	X	X	X	X	X	X	X	X
Arsenic and its compounds	X	X	X	X	X	X	X	X
Benzene	X	X	X	X	X	X	X	X
Antifouling paint	X	X	X	X	X	X	X	X
Lead carbonate, lead sulphate	X	X	X	X	X	X	X	X
Mercury and its compounds	X	X	X	X	X	X	X	X
Organic tin compounds	X	X	X	X	X	X	X	X
Di- $\mu$ -oxo-di-n-butylstanniohydroxyborane	X	X	X	X	X	X	X	X
Hydrophatic chlorohydrocarbons	X	X	X	X	X	X	X	X
Pentachlorophenol and its compounds	X	X	X	X	X	X	X	X
Creosote	X	X	X	X	X	X	X	X
Vinyl chloride	X	X	X	X	X	X	X	X
Cadmium and its compounds	X	X	X	X	X	X	X	X
Coolants with nitrosating agents	X	X	X	X	X	X	X	X
Formaldehyde	X	X	X	X	X	X	X	X
Chromic acid	X	X	X	X	X	X	X	X
CFCs and HCFCs	X	X	X	X	X	X	X	X
Silicone	X	X	X	X	X	X	X	X
Fibres	X	X	X	X	X	X	X	X
Phthalate softeners	X	X	X	X	X	X	X	X
Short chain chlorinated paraffins	X	X	X	X	X	X	X	X
Halogens (fluorine/ chlorine/ bromine/ iodine) and their compounds				X	X			X

These substances are not present during the production process, not even as production aids or the like.

FN0 propellants are used in any KAIFLEX elastomers. Instead, during the vulcanisation process, the material is expanded using a substance similar to baking powder.