

## Chemical resistance of LAMILUXplan

### Inorganic media

#### Acids:

hydrochloric acid (10%ig)	+
phosphoric acid (50%ig)	+
phosphoric acid (85%ig)	+
sulphuric acid (up to 37,5%ig)	+
nitric acid (10%ig)	+
boric acid (10%ig)	+

#### Lyes:

stable to a certain extent

#### Inorganic aqueous media:

water (distilled), drinking water, ocean water	+
salt solutions (all concentrations) non-oxidising, stable	+

#### Luxury food, found in the common household, luxury chemicals

apple juice	+
beer	+
fresh juices	+
coffee	+
milk	+
margarine	+
mineral water	+
wine	+
citric acid	+
sugar, all concentrations	+
Persil (5%ig)	+
Rei (5%ig)	+
detergent, commercially available (5%ig)	+
caster oil	+
blood	+
tincture of iodine	-

Explanation of the table: + = stable, - = unstable

Explanation:

The term "stable" as it is used in the industry should not be understood in the sense of completely maintaining all optical and mechanical properties. Rather, it should be understood in the sense of the "suitability" of the material. Each material is subject to ageing (= material decomposition) as a result of external influences. Therefore, it is not possible to derive the basic suitability of the material for a specific application from the term "stable" or "suitable". Each user should examine suitability. It should also be considered that there are not only chemical effects, but also other influences such as temperature, UV-light and mechanical stress. We reserve the right to make mistakes or modifications.

Date: July 2005

## Organic media

acetone	-
ethanol (96%ig)	-
ether	-
formic acid (10%ig)	+
benzine	+
benzole	-
butyric acid	+
butyl acetate	-
chlorobenzene	-
cyclohexanon	-
diethanolamine	+
earth	+
acetic acid (10%ig)	+
ethyl acetate	-
fatty acid, higher (C12)	+
glycol	+
glycerine	+
heating oil	+
isopropanol	-
machine oil	+
NMA	-
methanol	-
methylene dichloride	-
MEK	-
lactic acid (10%ig)	+
mineral oils	+
paraffinic oils	+
phenol	-
non-plasticized resins	-
salicylic acid	+
silicone oil	+
styrene	-
turpentine oil	+
tetrachlorocarbon	+
tetrahydrofuran	-
toluene	-
xylene	+

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