



Taps

Important Information and Directions for Use

Important Information and Directions for Use – please read carefully!

Chemical Resistance of the Taps

The components of the SABEU taps are made of a polyethylene of high density (PEHD), a polyethylene of low density, and a polypropylene (PP). The raw material supplier has tested various chemicals with regard to their compatibility with the plastic material. Our Chemical Resistance List shall be a guideline concerning their applicability and purpose. The compatibility of a plastic material with chemical products depends on the reaction time, the stress conditions within the component, the temperature, and many other factors. High impacts may, for instance, lead to stress cracks, which enable the chemical product to penetrate the component and thus lead to further, larger cracks and losses of quality, and as a consequence to leakages. Chemical mixtures may lead to interactions of the single components with each other, which may influence their resistance to a degree, which cannot be assessed in advance. For these reasons, it is necessary that the customer tests the taps' chemical resistance in dependence of the chemical product and under the special conditions of application.

Liquid Tightness of the Taps

Chemical resistance is not conterminous with liquid tightness. Thus, a liquid of a low viscosity, which is extremely creeping, may lead to leakages of the tap, although it is resistant against the chemical product itself. The liquid tightness of our taps has been tested with wetted water. Therefore, we recommend to do own test with the respective filler liquid before the final application of the product.

Storage of the Taps

Polyethylene and polypropylene are subject to ageing- and weather-bound embrittlement. Especially solar radiation wears out the PE and PP, which may lead, long-term, to stress cracks, and as a result to leakages. The lifetime of the tap can be extended, if it is not exposed to direct solar radiation over a long period.

Handling of the Taps

Polyethylene and polypropylene are very solid, but not indestructible materials. Especially ageing, climatic conditions, extreme fluctuations in temperature, aggressive filler liquids, of environmental conditions can disparege the properties of the material, and as a result the taps become more sensitive against mechanical influences. An appropriate and careful handling of the tap can lengthen its lifetime substantially.



Taps

Chemical Resistance

	PE-LD	PE-HD	PP	Complete tap
Water	😊😊	😊😊	😊😊	😊😊
Weak acids	😊😊	😊😊	😊😊	😊😊
Strong acids	😊😊	😊😊	😊	😊
Fluid acids	😊😊	😊😊	😊	😊
Weak bases	😊😊	😊😊	😊😊	😊😊
Strong bases	😊😊	😊😊	😊😊	😊😊
Inorganic salts	😊😊	😊😊	😊😊	😊😊
Halogens	😞😞	😞😞	😞	😞😞
Oxidising compounds	😞😞	😞😞	😞😞	😞😞
Paraffin hydrocarbons	😞	😞	😊	😞
Halogen alkane	😞😞	😞	😞	😞😞
Alcohols	😊😊	😊😊	😊😊	😊😊
Ether	😊	😊	😊	😊
Ester	😊	😊😊	😊	😊
Ketones	😊	😊😊	😊	😊
Aldehydes	😊	😊😊	😊😊	😊
Amines	😊😊	😊😊	😊😊	😊😊
Organic acids	😊😊	😊😊	😊	😊
Aromatic compounds	😊	😊	😞	😞
Fuel	😊	😊	😊	😊
Mineral oils	😊	😊	😊😊	😊
Fats, oils	😊	😊	😊😊	😊

Legend:

- 😊😊 = Resistant
- 😊 = Resistant to conditionally resistant
- 😊 = Conditionally resistant
- 😞 = Conditionally resistant to non-resistant
- 😞😞 = Non-resistant

Conditionally resistant means that the material, e.g. sources, can weaken or change colour. Tests are necessary prior to use.

A legally binding warranty for specific features or fitness for a certain application cannot be derived from the information given above. Existing rules and regulations are to be observed at the responsibility of the user.