

DRINKING WATER CASTING COMPOUND KLEIBERIT 542.4



2C PUR CASTING COMPOUND, TESTED ACCORDING TO KTW-BWGL OF THE GERMAN FEDERAL ENVIRONMENT AGENCY

KTW-BWGL is the assessment basis of the German Federal Environment Agency for plastics and other organic materials in contact with drinkable water. The tested water temperature is $23 \pm 2^\circ\text{C}$, which corresponds to cold water or fresh tap water. The relevant filter type for this sealing compound corresponds to product group P2 (secondary components where the proportion of the surface in contact with water is $< 10\%$, or for pipes with an internal diameter $< 80\text{ mm}$). In addition, KLEIBERIT 542.4 contains a large extent of renewable raw materials ($> 40\%$).

DOMESTIC AND DRINKABLE WATER FILTRATION

Here, the potting compound can serve as an alternative to classic ultrasonic welding. This means a lower heat load on the filter media and allows fewer restrictions on the filter geometry.

APPLICATIONS

- Coarse and fine filters in the fresh water pipe
- Cold water house inlet filters that remove tap water from remove sediment and residual particles
- directly upstream of the respective (cold water) mixer taps

ADVANTAGES

- tested according to KTW-BWGL
- based on renewable raw materials ($> 40\%$)
- good flow behavior due to low viscosity
- short cycle times due to fast reaction time
- high-strength casting compound (hard-compact setting)

A component	B component	Mixing acc. ppw	Viscosity A [mPas]	Viscosity B [mPas]	Gelling Time (100 g, 20 °C) [s]	Tensile Strength [N/mm ²]	Elongation @ Break [%]	Shore D Hardness
542.4	542.5	100:60	2,920	25	38	19.2	83.9	66