KTW 和 W270

行业

如果水含有的任何微生物、寄生虫或其他物质的数量不足以对人类健康构成潜在威胁，则将其归类为饮用水。

与饮用水接触的产品材料可能会导致微生物生长并产生杂质/污染物，从而造成严重的健康风险，对环境产生威胁。

其感官特性必须为消费者所接受，包括澄清度、透明度，需为无色、无异味。

认证详情

KTW 和 W270 认证意味着与饮用水接触的产品组件已根据 UBA 的建议由德国实验室（TZW 和 DVGW）测试和批准。就润滑剂成分而言，该审批是最为严格的审批之一。

获得 KTW 和 W270 认证后，有效期为五年。

- 配方（化学配方）评估
  配方是指用于制造产品的材料的详细化学成分。其必须符合 UBA 指南的要求。
- 迁移试验
  迁移试验的持续时间为 10 天，试验温度始终为 23°C。此外，还可以包括 60°C 和 85°C 的温度范围。
- 微生物生长测试（要获得 W270 认证还需进行其他测试）

获得认证的材料

- fluteck™ P 1000
- fluteck™ P 1050
- fluteck™ P 900
- fluteck™ P 950
- fluteck™ P 9051 GL

KTW & W270

Industry

Water is classified as drinking when it doesn't contain any microorganism, parasites or other substances, in such a quantity to represent a potential danger to human health.
The product materials in contact with drinking water can generate microbial growth and impurities/contaminants. This creates a serious health risk and a threat to the environment.
Its organoleptic characteristics must be acceptable to the consumers, including clarity, transparency, the absence of colors and any anomalous odors.

Certification Details

The KTW & W270 certifications imply that product components in contact with drinking water have been tested and approved by German laboratories (TZW and DVGW) according to the recommendations of the UBA. This approval is one of the most restrictive in terms of lubricants composition.
Once granted, KTW and W270 approval lasts for five years.

- **Recipe (chemical formulation) assessment**

Recipe means the detailed chemical composition of the material that is used to manufacture the product. It has to be in accordance with the requirements of UBA's guidelines.

- **Migration test**

The migration test will be performed over a time period of 10 days. The test is always performed at 23°C. In addition the temperature ranges of 60°C and 85°C can be included.

- **Microbial growth test (additional test is required to obtain W270)**

Certified Materials

- fluteck™ P 1000
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- fluteck™ P 900
- fluteck™ P 950
- fluteck™ P 9051 GL