

A perfect fit for the Sanitary and potable water industry



A great **quality and purity** are expected from today's water we receive at home, be it for **heating, sanitary application or potable water**. This quality will depend also on the components it goes through. **Rilsan® polyamides** are extreme materials designed in order to be **easily processable** and withstand physical and chemical abuse.

The specific attributes of Rilsan® PA11 make it the perfect line to replace other **plastics, stainless steel, and brass materials**. The total absence of heavy metals and lead contaminants guarantee a **safe drinking water**. Rilsan® PA11 can also be easily processed into a wide range of applications including pump components, water meters, impellers, fittings, and valves. Arkema's Rilsan® PA11 grades are ready to answer your demanding application needs.

KEY ATTRIBUTES

- **No lead or heavy metal contaminants: your water stays safe**
- **No rust, rouge or corrosion over time: long-lasting**
- **Chemical resistance: easy to maintain and clean**
- **Abrasion resistance: Can outperform stainless steel**
- **Lightness: up to 1/7 of the weight vs metals**



RILSAN® PA11 ADVANTAGES OVER BRASS

- | | | |
|-------------------------------------|-----------------------------------------|---------------------------------------------------------|
| → Non-corroding | → Self-lubricating | → Easier process / less waste |
| → No rust | → Resistant to salt water | → Broad range of processing equipment components |
| → Non-welting / easy release | → Bio-based / Recyclable | |
| → No lead / heavy metal | → Smoother process / better flow | |
| → No taste change | → Lower thermal conductivity | |
| → Lightweight | → Reduced environmental impact | |

INDUSTRY SPECIFICATION

→ **Certain grades of Rilsan® PA11 conform to specifications and requirements for the sanitary and potable water industry, NSF 61, KTW, WRAS, ACS and food contact.**

→ **Available Grades:** A variety of grades is available with a wide range of properties. Including Rilsan® BMN G8 TLDS, Rilsan® BUM 30 o, Rilsan® Clear G850, Rilsan® BZM 30 OTLDA, and Rilsan® BZM 50 OTLDA. These grades and others can be found at: www.extremematerials-arkema.com.

→ **Applications include fittings, connectors, water meter bodies, impellers, valves and more ...**



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