

94 AU 21730 FOR THE PROCESS INDUSTRY



Freudenberg Xpress® offers special materials for applications in the food and beverage industry that meet the stringent requirements of the sector. One polyurethane – 94 AU 21730 – is especially suited to these applications.

Thanks to its FDA conformity, its certification under 3-A® Sanitary Standards and its Regulation (EC) 1935/2004 approval, AU 21730 is superbly suited for use in the food and beverage industry. It exhibits outstanding resistance to CIP/SIP (Cleaning-In-Place/Sterilization-In-Place) processes and cleaning media. Especially for the food industry, its blue color is a key attribute that differentiates the product.

Freudenberg Xpress® provides turned seals made of the original Freudenberg material AU 21730 in record time – whether for prototyping, short production runs or urgent replacement parts. Unlike the conventional turned seals available on the market, Freudenberg Xpress® offers sealing solutions with industry-specific compliance, certifications and approvals. Among other things, this allows their use in hygienically demanding applications like those found in the process industry.

AU 21730's outstanding processability with machining methods has led to a large selection and great flexibility for everything from standard seals such as O-rings to customer-specific formed parts.

APPLICATIONS

Sealing solutions made of polyurethane are found in many applications in the food and beverage industry, including tube systems, fittings and valves. Whenever elastic properties are not required, polyurethane is an attractive alternative to elastomers such as EPDM and FKM.

The information contained herein is believed to be reliable, but no representation, guarantees or warranties of any kind are made to its accuracy or suitability for any purpose. The information presented herein is based on laboratory testing and does not necessarily indicate end product performance. Full scale testing and end product performance are the responsibility of the user.

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MATERIAL CHARACTERISTICS

The blue 94 AU 21730 stands out for its high load capacity and its resistance to wear. Cracking and brittleness almost never occur during the process. This gives seals made of this material great longevity. Its outstanding tensile and longitudinal strength also contribute to this aspect. In addition, its broad temperature range of -25 to +110°C allows its use in numerous applications in the process industry, where jumps in temperature often occur. The manufacture of 94 AU 21730 does without softeners, which are excluded from use in a number of applications in the process industry.

VALUE TO THE CUSTOMER

- FDA-compliant
- Certification according to 3-A® Sanitary Standards
- Regulation EC 1935/2004 approval
- CIP/SIP resistance
- High resistance to cleaning media
- Long operating life thanks to high wear resistance
- Usable in a broad temperature range
- Ozone and oxidation resistance
- Free of softeners