NEW POLYURETHANE GENERATION

THE NEW POLYURETHANE GENERATION FROM FREUDENBERG

Freudenberg Sealing Technologies expands the boundaries of use with a new polyurethane generation to all standard and commercial polyurethanes.

The new 94 AU 30000 polyurethane achieves much better results than other materials available on the market due to it's improved characteristics.

With this new 94 AU 30000 material, seals are able to last longer than the current standard seal solutions and have high resistance to hydrolysis even in hot water.

VALUES FOR THE CUSTOMER

- High extrusion stability allows operating pressures up to 50 MPa/500 bar

- High tear resistance boosts operating life and resistance to wear

- Stability in temperatures from −35 °C to 120 °C

- Outstandingly suited to mineral and biodegradable hydraulic fluids

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Better High Pressure Resistance

Tear Strength—The new polyurethane generation material shows extrusion resistance significantly better than the current standard.
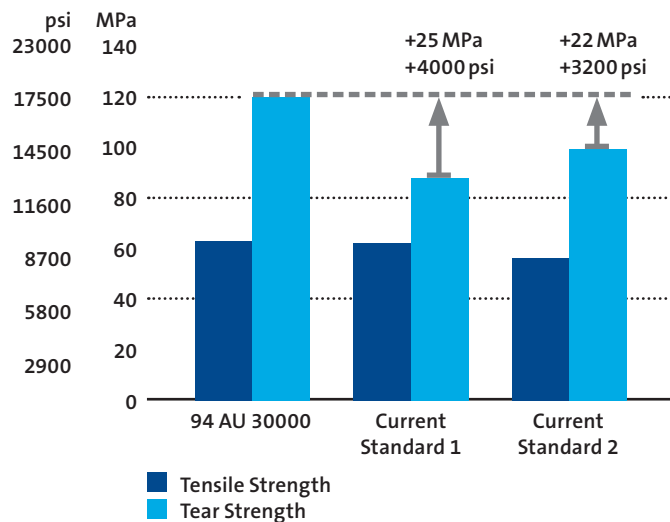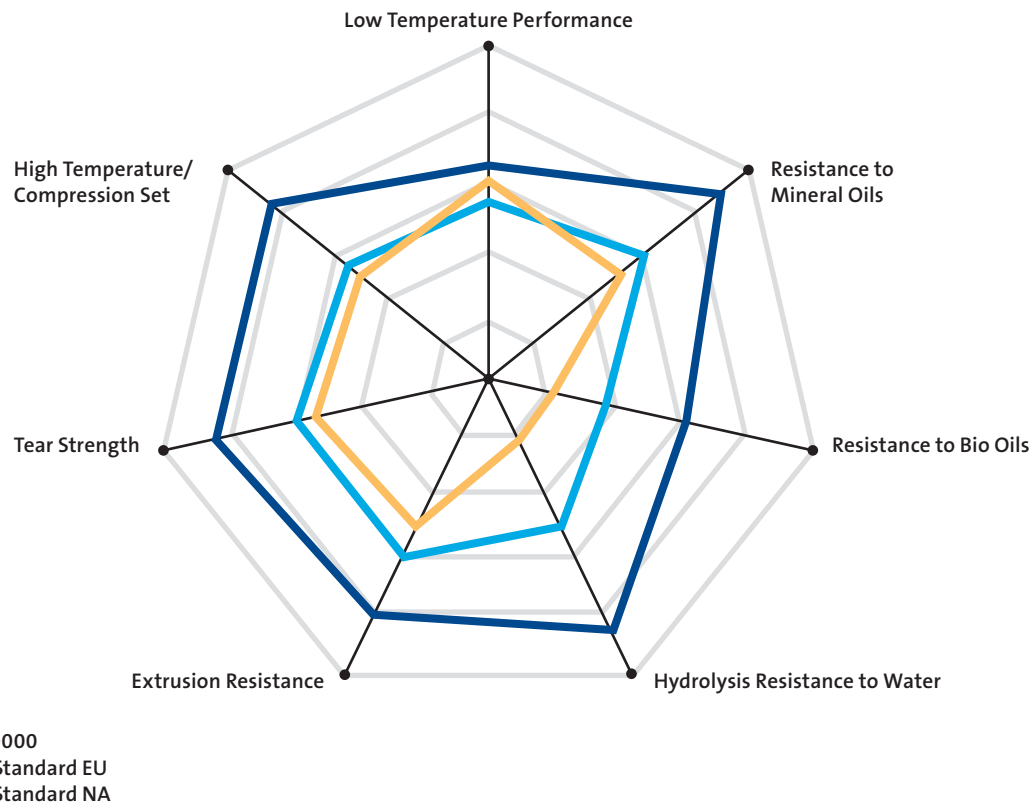

Improved High Temperature Properties

Compression Set—The new polyurethane generation material has much improved relaxation properties over the current standard.
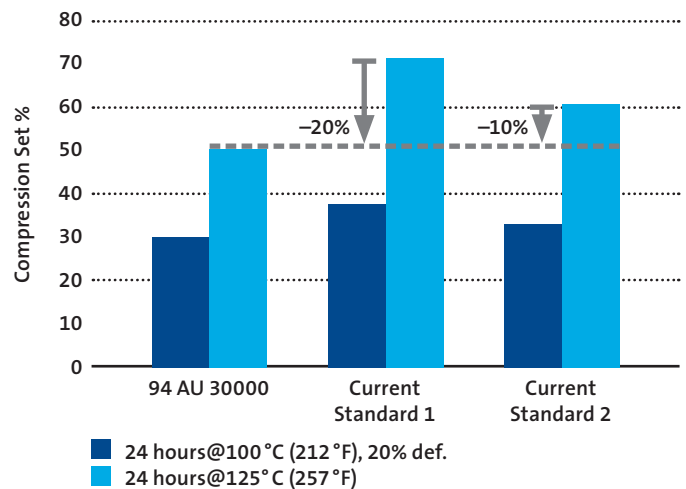
Freudenberg Sealing Technologies offers a variety of polyure-thane sealing products. Our new generation 94 AU 30000 material demonstrates outstanding improved performance with benefits such as:

- Improved performance due to higher pressures and wider temperature ranges

- Excellent chemical resistance even in aggressive working conditions

- High wear resistance

- Effective in high heat and extreme cold applications

- Excellent ozone resistance (e.g., longer shelf life)

- Excellent compatibility with mineral fluids (no shrinkage/swell)

Low Temperature Performance

Resistance to Mineral Oils

High Temperature/ Compression Set

Resistance to Bio Oils

Tear Strength

Hydrolysis Resistance to Water

Extrusion Resistance

— 94 AU 30000
— Current Standard EU
— Current Standard NA

fluidseal
AB (Calgary) Inc.

FREUDENBERG-NOK
INNOVATING TOGETHER