

# NEW POLYURETHANE GENERATION



## THE NEW POLYURETHANE GENERATION FROM FREUDENBERG

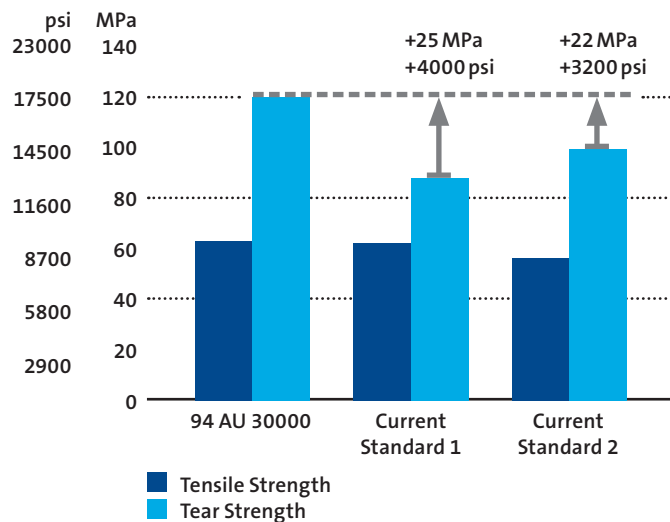
Freudenberg Sealing Technologies expands the boundaries of use with a new polyurethane generation to all standard and commercial polyurethanes.

The new 94 AU 30000 polyurethane achieves much better results than other materials available on the market due to its 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.

### Better High Pressure Resistance

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

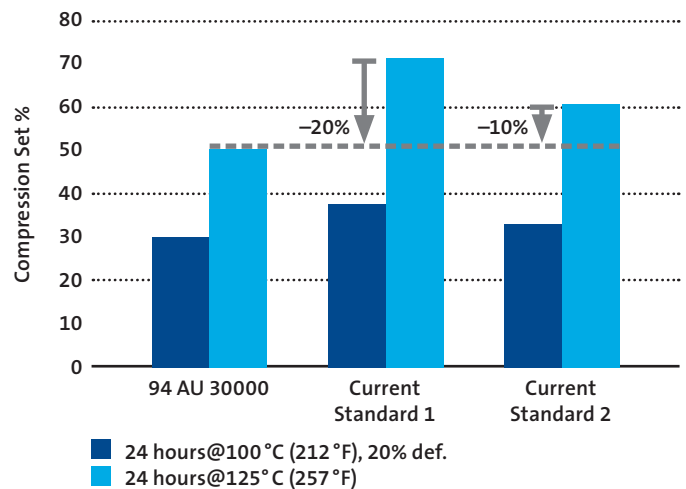


## VALUES FOR THE CUSTOMER

- 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  $-35^{\circ}\text{C}$  to  $120^{\circ}\text{C}$
- Outstandingly suited to mineral and biodegradable hydraulic fluids

### Improved High Temperature Properties

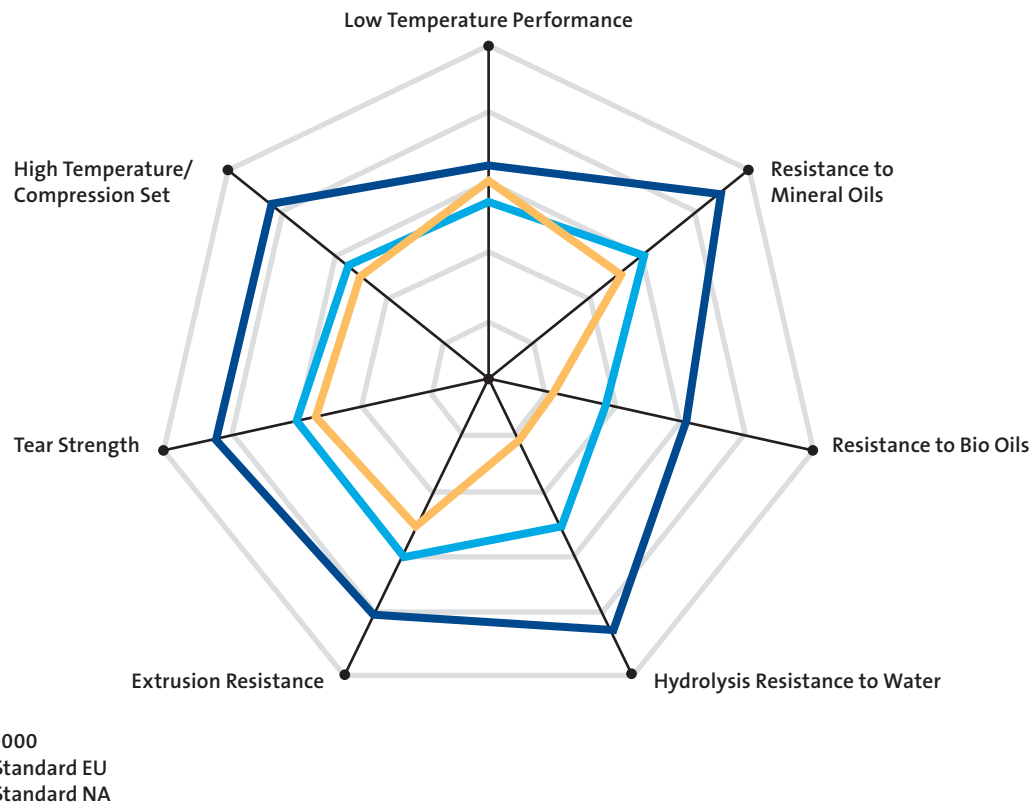
**Compression Set**—The new polyurethane generation material has much improved relaxation properties over the current standard.





Freudenberg Sealing Technologies offers a variety of polyurethane 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)



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.



Les Joints Étanches R.B. Inc.  
R.B. Packings & Seals Inc.

**FREUDENBERG-NOK**  
INNOVATING TOGETHER