

OMK-PU AU 30500 HYDROLYSIS AND GLYCOLYSISRESISTANT

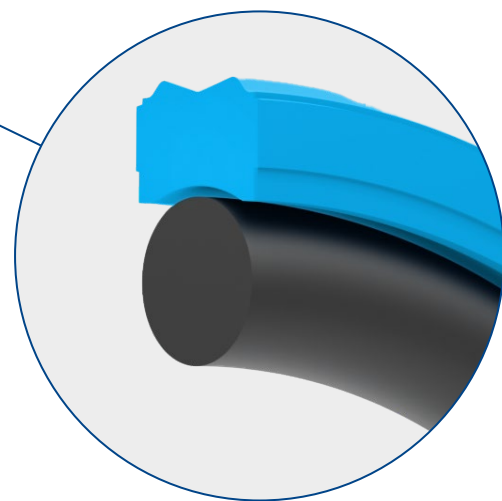
A two-piece piston seal, as potential alternative to PTFE material, made of the new **Freudenberg** hydrolysis resistant high-performance polyurethane **98 AU** featuring an O-Ring energizing element made of HNBR. The special design and material combination ensures maximum tightness, durability and chemical resistance even in demanding applications especially in regions with higher temperature and humidity levels.



VALUES FOR THE CUSTOMER

- Cost effective (injection ready molded)
- Inter-changeable with standard PTFE DIN ISO7425 grooves
- Re-calibration after assembly not required
- Robust against damage (tube surface and assembly process)
- High level of physical properties (higher resistance to gap extrusion) and high wear resistance
- Short stroke applications possible
- Very low leakage values
- Low friction due to hydro-dynamically optimized sealing geometries
- Outstanding hydrolysis and glycolysis resistant TPU (for harsh environment)
- A high level of operational parameters:
Pressure: ≤ 40 MPa
Temperature: -30° to $+120^{\circ}\text{C}$ *

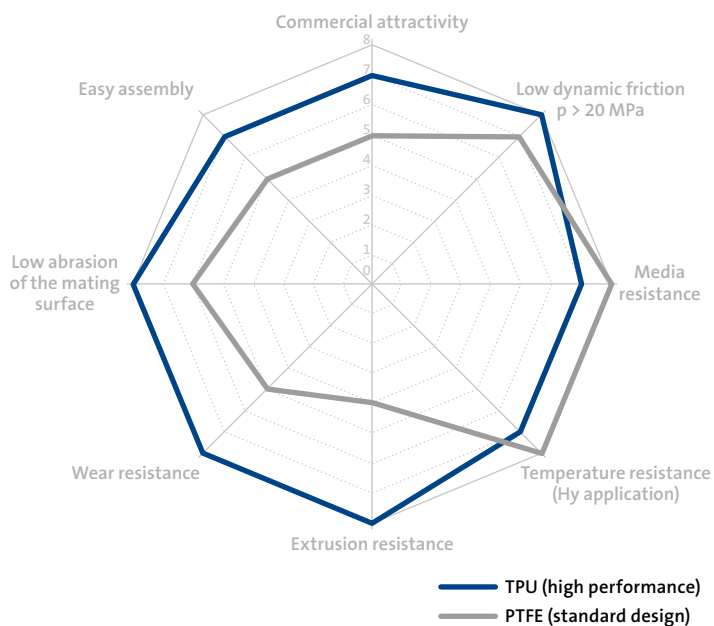
**Operating temperature belongs to the entire seal set*



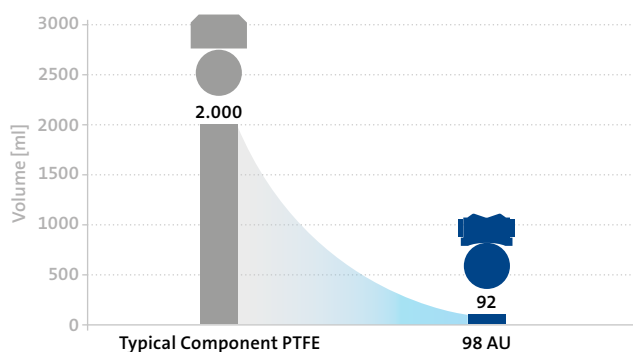
OMK-PU AU hydrolysis resistant piston seal is ideal for use in hydraulic cylinders instead of PTFE

FEATURES & BENEFITS

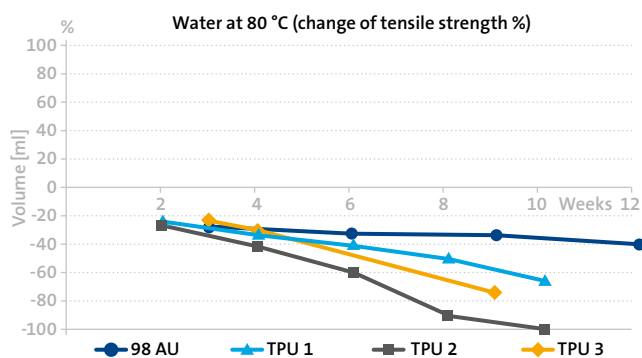
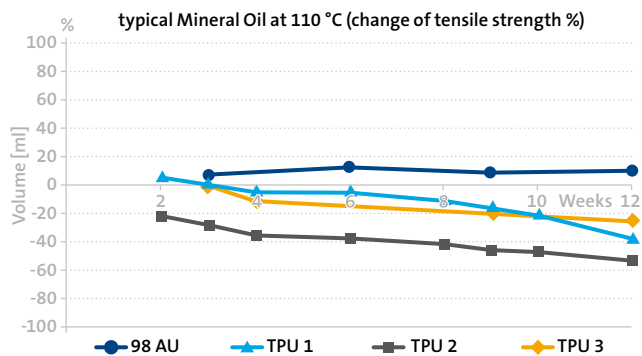
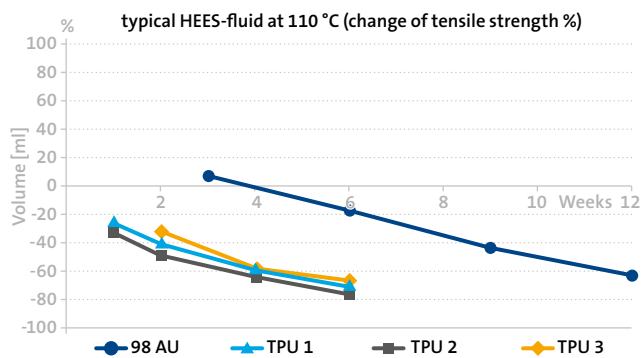
Material Properties TPU (high performance) vs. PTFE (standard design)



Technical features: 20 times better leakage performance with new TPU solution



Outstanding chemical resistance in various media



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