

Innovations in high-performance plastics.
The leading comprehensive range in PTFE.



elringklinger
Kunststofftechnik

Pioneering: our engineering solutions from PTFE. Comprehensive: our broad product range.

Innovations in high-performance plastics – for over 40 years, ElringKlinger Kunststofftechnik has been one of the technology leaders for seals and engineering design elements. For our customers around the world, we develop and produce individual, market-driven solutions from high-performance plastics such as PTFE, PTFE compounds and PTFE composites. Our solutions meet the toughest demands to be found in the field – with economy and reliability guaranteed.

Many years of application and processing know-how in virtually all sectors of industry and an extensive, modern machine pool are the basis we draw on to manufacture miniature components as well as seals with 3,000 mm diameters, for single-part as well as large-volume production requirements. Our commitment to high quality and environmental protection are central elements of our corporate policy, reflected in certifications according to ISO/TS 16949 and DIN EN ISO 14001.

The next dimension – Moldflon®

The combination of PTFE's unique material properties and degrees of freedom with the economy resulting from melt-based manufacturing processes such as injection-molding, gives ElringKlinger Kunststofftechnik a leading edge in its field yet again. Moldflon® clearly expands the application range of previously used fluoro-thermoplastics while offering the same profile of material properties as PTFE. This significantly broadens the processing spectrum and product range for the benefit of our customers.



Seals



Shaft seals with PTFE sealing lip
*Preferably used for sealing rotary shafts.
Also suitable for use in dry operating
conditions and with extremely high tem-
peratures.*



Piston rings and guiding elements
*For dry-running compressors.
Exceptionally low coefficient of friction
when combined with metals – even
without lubrication.*



Spring-energized seals
*For sealing reciprocating pistons and
rods as well as for rotary and swiveling
applications. Outstanding chemical
resistance to aggressive media.*

Engineering design components



Memory packings

*For sealing reciprocating pistons and rods.
For applications involving high temperatures.
No stick-slip effect.*



Bellows

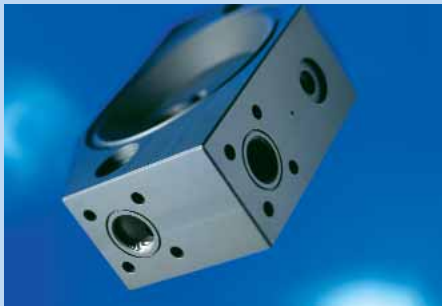
*Chemically resistant. Wide temperature range from -60°C to $+200^{\circ}\text{C}$.
Also suitable for use in medical and food industry applications.*



Diaphragms

From pure PTFE or as PTFE composite diaphragm versions. Chemically and thermally resistant, optimized for high alternating bending properties even under pressure.

Engineering design components



PTFE design elements

Application-specific solutions available also in large dimensions of up to 3,000 mm diameter and length. Manufacturing technology: hydraulic and isostatic compression-molding, milling, welding, cutting.

Tubings



PTFE tubings

Used in medical technology and general industrial applications. Chemically resistant to hot vapors. Service temperature range from -200°C to $+260^{\circ}\text{C}$. Unfilled PTFE – physiologically neutral (FDA approved).

Special products



Porous PTFE

Used for separating gases, vapors and fluids, as films/sheets, filter elements and diaphragms.



Porous PTFE

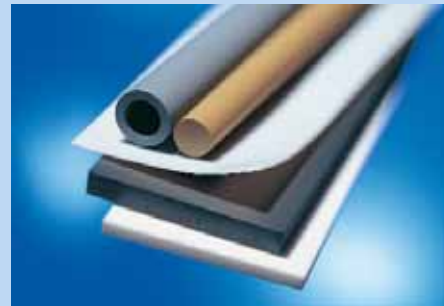
For optical applications such as Ulbricht integrating spheres, Lambert reflectors, projection screens and fluorescence standards.



Laminate PTFE composites

Reinforced PTFE achieved through composites with fabrics, fibers and films. Typical materials of this type include ceramics, metal, glass, elastomer and other high-performance plastics.

Semi-finished products



Semi-finished products

Semi-finished products from PTFE available as rods, plates, disks/rondes and films/sheets.

Take our plastics know-how to the test.

To find your direct contact person, please go to www.elringklinger-kunststoff.de.

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