

arka kapak

► K49 Piston Seal

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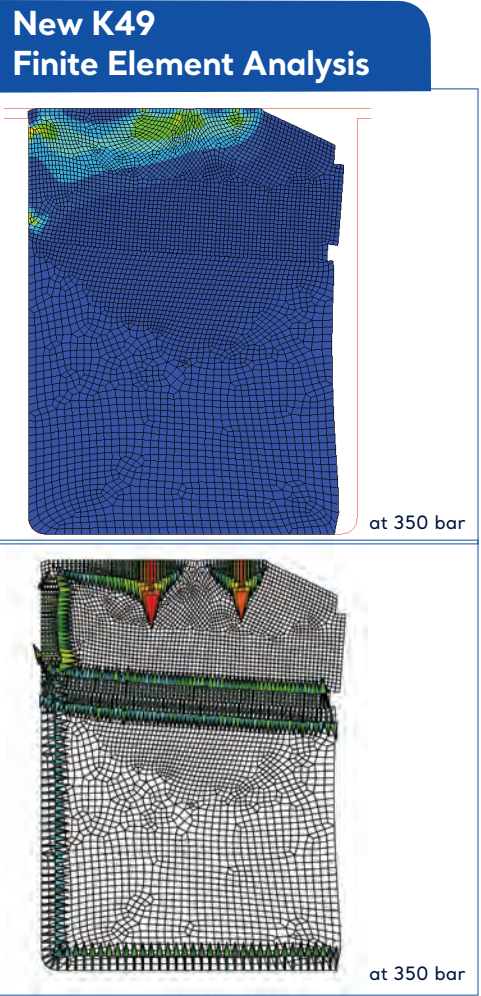


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K49 Piston Seal

K49 is a two piece double-acting sealing set which consists of a 60SHR D polyurethane seal ring and a NBR elastomer ring as an energizer. K49 Piston Seal's proven performance is now enhanced with the new generation where the K49 is now made of high performance PU6005 TPU and the design is modified for higher extrusion resistance.

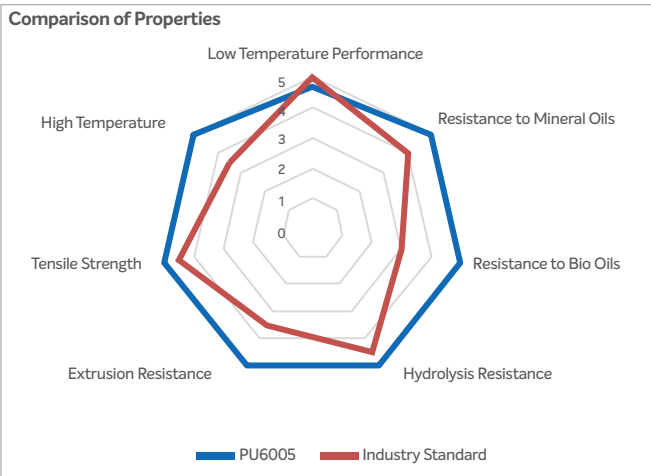


- Excellent Extrusion Resistance
- Advanced Static and Dynamic Sealing Performance
- High Temperature Resistance
- Wide Application Range

K49 made of PU6005 High Performance TPU

PU6005 is a new generation 60SHR D TPU with advance mechanical properties and wide media compatibility. Among many applications and designs, the high extrusion and abrasion resistance of PU6005 makes it a perfect choice for the face seals of the piston seal designs with and energizer. Moreover PU6005 has good resistance against mineral oils, greases, water-based fluids, and aliphatic hydrocarbons. Although the operating temperature range varies due to the elastomer energizer, between -30 °C / +110 °C, it can go up to +125 °C for short intervals.

- Compatible with hydraulic, mineral and water-based fluids (i.e. HEES, HEPG, HEPR, HFA, HFC, HFDU)
- 60 Shore D hardness
- Superior extrusion resistance
- Hydrolysis resistance



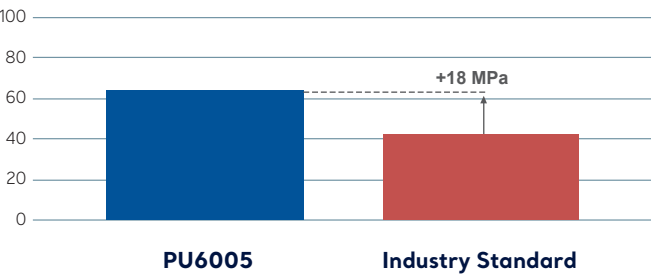
Physical Properties

Type	Standard	Unit	Material Specification
Hardness	ISO 7619-1	Shore D	60
Temperature Range		°C	-30°C / +125°C
Tensile Strength	ISO 37	N/mm ²	65
Elongation at Break	ISO 37	%	520

Chemical Compatibility

Fluid Type	DIN/ISO Code	Temperature	Result
Mineral Oils	HLP/HVLP/HLPD	110°C	Excellent
Water-based fluids	HFA	50-60°C	Good
	HFC	60°C	Excellent
Synthetic fluids	HEES	80-100°C	Excellent
	HEPG (PAG)	60°C	Good
	HEPR (PAO)	100°C	Excellent

Tensile Strength



Compression Set

