



K46 is a four piece double acting compact seal consisting of polyurethane sealing ring with NBR energizer O-ring and two special profile guide rings made of thermoplastic to absorb transverse forces.

PRODUCT ADVANTAGES

- Superior sealing performance
- No requirement for an additional guide ring due to the compact design
- Economic sealing and guiding solution
- Simple groove design, one-piece piston possible
- Reducing piston machining cost due to low cross-section thickness
- Easy installation

APPLICATION

Agricultural machinery, industrial applications.

MATERIAL		CODE
PU	92 SHORE A	PU9201
POM		PM9901
NBR	70 SHORE A	NB7001

OPERATING CONDITIONS			
MEDIA	Mineral oils (DIN 51524)	HFA and HFB	HFC
TEMPERATURE	-30°C +100°C	+5°C +50°C	-20°C +50°C
PRESSURE	≤400 Bar	≤400 Bar	≤400 Bar
SPEED	≤0.5 m/sn	≤0.5 m/sn	≤0.5 m/sn

Not: The above data are maximum values and cannot be used at the same time.

SURFACE ROUGHNESS		Ra	Rmax
Sliding Surface	Ød	≤0.4 µm	≤3.2 µm
Groove Base	ØD	≤1.6 µm	≤6.3 µm
Groove Flanks	B	≤3.2 µm	≤16 µm

Not: It is recommended to have 50% to 90% of the working surface material contact area value.

INSTALLATION

Easily assembled into one-piece piston because the back-up rings and guide rings are been produced in split forms. It is very important that the assembly tools must be of soft material and have no sharp edges. Before installation the sealing element must be oiled with system oil.