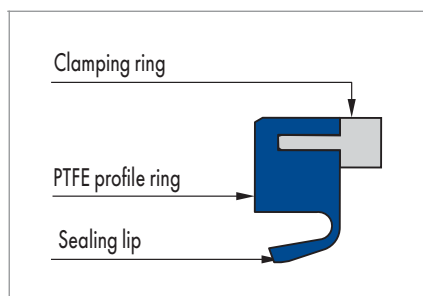


# SIMMERRING RADIAMATIC® HTS II TYPE 9535 MADE OF PTFE



## PRODUCT DESCRIPTION

Simmerring for open housings. Significantly reduced friction compared to standard geometries due to the patented sealing lip.

## PRODUCT ADVANTAGES

- Good dry running properties
- Steam resistant
- Good thermal conductivity
- Electroconductive/antistatic
- Type can be easily matched to housing
- Suitable for water applications
- Anti-adhesive

## APPLICATION

- Fans
- Gearboxes
- Compressors
- Pumps
- Electrical drives
- Mixers
- Machine tools

## MATERIAL

<b>Profile ring</b>	PTFE carbon K212 *
<b>Clamping ring</b>	Stainless steel *

\* Other materials on enquiry.

## OPERATING CONDITIONS

<b>Temperature</b>	-80 ... +200 °C
<b>Circumferential speed</b>	18 m/s for 0,15 MPa 0,6 MPa

When used un-pressurised, significantly higher circumferential speeds are possible. Special versions are available for alternating operation in pressure/vacuum.

## DESIGN NOTES

Please observe our general design notes in → Technical Manual.

Hardness of the contact area

Depending on material: 45–65 HRC, >0,5 mm depth of hardening.

Surface quality

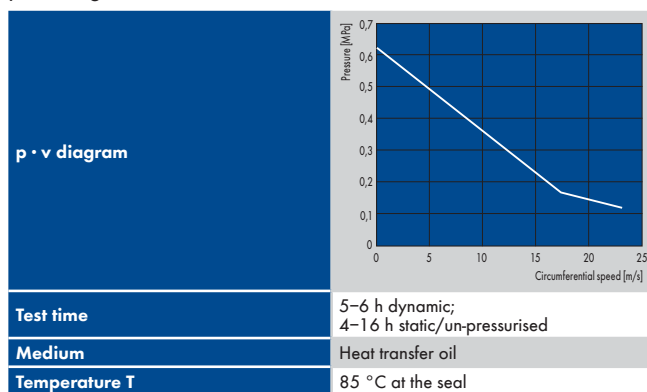
Peak-to-valley heights	R <sub>a</sub>	R <sub>t</sub>
Housing	<1,8 µm	<10,0 µm
Shaft, ground with no lead	0,1 ... 0,2 µm	0,5 ... 1,0 µm

Tolerances

Housing bore	Shaft	Radial shaft deflection, max.*
H8	h11	±0,05 mm

\* Depending on increase in rotational speed, the radial shaft deflection may need to be more tightly limited. Please enquire.

p · v diagram



## FITTING & INSTALLATION

Careful fitting is a prerequisite for the correct function of the seal. → Technical Manual.