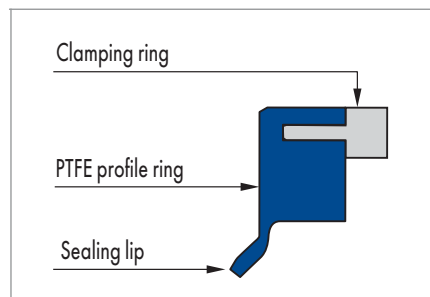


SIMMERRING RADIAMATIC® HTS II TYPE 9539 MADE OF PTFE



PRODUCT DESCRIPTION

Simmerring for open housings with forward-positioned sealing lip. Special design to meet stringent cleaning and sterility requirements.

PRODUCT ADVANTAGES

- Free of dead spots in terms of hygienic design
- For untempered shaft surfaces
- Wear resistant
- Good dry running properties
- Allows complete draining of containers
- FDA- and 3A-compliant, ADI-free, USP Class VI

APPLICATION

- Mixers
- Kneaders
- Food-processing machines
- Shaft sealing in the chemical and process industries

MATERIAL

| | |
|---------------|---------------------|
| Profile ring | Special PTFE Y002 * |
| Clamping ring | Stainless steel * |

* Other materials on enquiry.

OPERATING CONDITIONS

| | |
|-----------------------|---------------------|
| Temperature | -80 ... +200 °C |
| Circumferential speed | 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: 20–65 HRC, >0,5 mm depth of hardening.

Surface quality

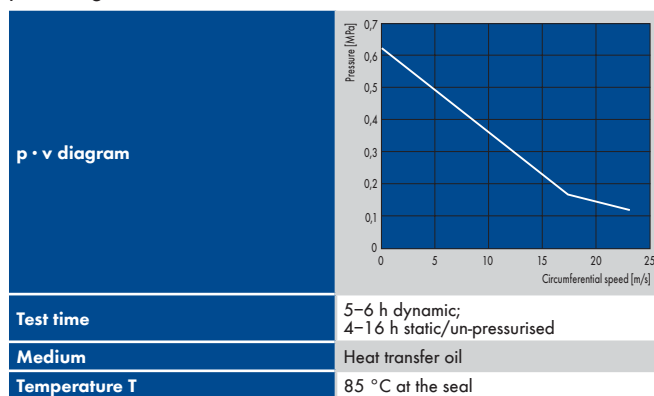
| Peak-to-valley heights | R_a | R_t |
|----------------------------|----------------|----------------|
| Housing | <1,8 µm | <10,0 µm |
| Shaft, ground with no lead | 0,1 ... 0,2 µm | 0,5 ... 1,0 µm |

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.