



Technical Details

Temperature range	-100°C / +260°C
Pressure	15 MPa - 25 MPa
Speed	2 m/sec

Maximum extrusion gap

Groove width L_1 min	Radial extrusion gap F/2		
	2MPa	10MPa	20MPa
3.60	0.25	0.25	0.10
4.80	0.35	0.20	0.15
7.10	0.50	0.25	0.20
9.50	0.60	0.30	0.25

Surface roughness

Fluids	Dynamic surface area	Static surface area	Groove flanks
High and low viscosity fluids	Ra= 0.2µm	Ra= 0.8µm	Ra= 0.8µm
	Rz= 1.6µm	Rz= 5.0µm	Rz= 5.0µm
	Rz= 1.6µm	Rmax= 6.5µm	Rmax= 6.5µm
Gaseous fluids	Ra= 0.1µm	Ra= 0.3µm	Ra= 0.3µm
	Rz= 0.63µm	Rz= 2.2µm	Rz= 2.2µm
	Rz= 1.0µm	Rz= 3.5µm	Rz= 3.5µm

DESIGN

PK19 is a machined U-ring type filled or virgin PTFE shaft seal, pre-stressed by a stainless steel V-spring. It is generally used for helical applications. It is designed specifically for the food industry as it prevents food products from accumulating in hard to clean areas.

FEATURES

- Low friction coefficient
- Excellent abrasion resistance
- Wide temperature range
- Suitable for static, rotating and oscillatory systems

MATERIAL

Seal design comes in a variety of materials and sizes. For more information, please refer to MSDS datasheet.

APPLICATIONS

Light to medium duty applications