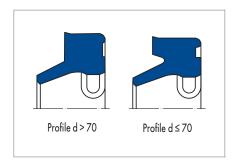
MERKEL WIPER PU 6



PRODUCT DESCRIPTION

Single-acting PUR wiper with static sealing edge on the outside diameter.

PRODUCT ADVANTAGES

Dirt wiper with bearing segments on the heel of the wiper and lightly rounded wiper lip

- No ingress of dirt and water spray via outside diameter
- Reliably wipes away dirt
- · Leaves a residual film of oil on retracting rod
- No twisting and pressure build-up between seal and wiper
- Highly wear-resistant

APPLICATION

- Mining
- Earth moving equipment
- Presses
- Injection moulding machines
- Support cylinders

MATERIAL

Running speed v

Material	Code	Hardness
Polyurethane	95 AU V149	95 Shore A

OPERATING CONDITIONS

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Medium/ Temperature	95 AU V149		
Hydraulic oils HL, HLP	−30 °C +110 °C		
HFA fluids	+5 °C +50 °C		
HFB fluids	+5 °C +50 °C		
HFC fluids	−30 °C +40 °C		
HFD fluids	-		

2 m/s

Medium/ Temperature	95 AU V149
Water	+5 °C +50 °C
HETG (rapeseed oil)	−30 °C +60 °C
HEES (synthetic ester)	−30 °C +80 °C
HEPG (glycol)	−30 °C +50 °C
Mineral greases	−30 °C +110 °C

DESIGN NOTES

Please observe our general design notes in → Technical Manual.

Surface quality

Peak-to-valley heights	R _a	R _{max}
Sliding surface	* µm	* µm
Groove base	≤1,6 µm	≤6,3 µm
Groove flanks	≤3,0 µm	≤15,0 µm

 $[\]ensuremath{^{\star}}$ Surface roughness of the sliding surface to suit the sealing component used.

Tolerances

Nominal Ø d	D	D ₁
12 200 mm	H10	

The tolerance for the \varnothing d is defined by the buffer seal.

FITTING & INSTALLATION

Careful fitting is a prerequisite for the correct function of the Merkel Wiper PU 6. Generally, wipers can be quickly and easily fitted by deforming into a kidney shape. → Technical Manual.

Lead-in chamfers

Length and angle are to be designed to suit the rod seal used.

