

# Technical characteristics

## Oil resistance

### Test method

- acc. to IEC 60811-404
- corresponds to EN 60811-404
- corresponds to VDE 0473-811-404

### Requirements

	TMPU acc. to EN 50363-10-2, VDE 0207-363-10-2	SAB Werksnorm TM54 acc. to EN 50290-2-22, VDE 0819-102	TM5 acc. to EN 50363-4-1, VDE 0207-363-4-1
Characteristics after storage in mineral oil IRM 902 (ASTM No. 2)			
Test temperature	100 °C	70 °C	90 °C
Period of storage in oil	168 hours	4 hours	168 hours
Mechanical values after storage in oil			
max. deviation of tensile strength	± 40%	± 30%	± 30%
max. deviation of elongation at tear	± 30% (min. 300% effective)	± 30%	± 30%

## MUD resistance

The following test parameters are valid for the different reference liquids

Drilling fluid	Test Fluid	Temperature	Storing Period
Water based mud	Calcium Bromide Brine	70 °C	56 d
Oil based mud	Carbo Sea	70 °C	56 d
Ester based mud	Accolade Bas	70 °C	56 d
Mineral oil type	IRM 902	100 °C	7 d
Mineral oil type	IRM 903	100 °C	7 d

Selected types of our PUR materials accomplish the tests acc. to MUD resistance acc. to IEC 60092-350, IEC 61892-4 and NEK TS 606.