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| Datum / date 20.11.2019 | Werkstoffdatenblatt material test report |  Techniparts B.V. - O-ring-stocks.eu Rondweg 26 8091XB Wezep Netherlands |
| Revision / revision 3 | | |
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|---------------------------------------|------------------------------------|--|-----------------------|
| Werkstoffnr./ mat.no. compound no. | 217010303 F707W94 | Werkstofftyp material type | FFKM 70 |
| Farbe colour | weiß white | Temp. bereich statisch temp. range static | -20°C / +270°C |

| Eigenschaft property | Einheit unit | Prüfmethode test method | Prüfparameter test parameter | Wert value |
|--|-------------------|----------------------------|---------------------------------|---------------|
| Härte hardness | Shore A | ASTM D 2240 | | 70±5 |
| Reißfestigkeit tensile strength | MPa | ASTM D 412 | | 13 |
| Reißdehnung ultimate elongation | % | ASTM D 412 | | 130 |
| Dichte specific gravity | g/cm ³ | ASTM D 1817 | | 2,41 ±0,03 |
| Tieftemp.beständigkeit low temp. resistance | °C | ASTM D 1329 | TR 10 | -2 |
| Druckverformungsrest compression set | % | ASTM D 395 B/1 | 70h / 200°C | 24 |

Eigenschaftsänderungen nach Alterung
changes of properties after ageing

| Medium medium | Prüfmethode test method | Zeit time h | Temperatur temperature °C | Härte hardness Punkte points | Reißfestigkeit tensile strength % | Reißdehnung ultimate elongation % | Volumen volume % |
|-------------------------|----------------------------|-------------------|---------------------------------|---------------------------------------|---|---|------------------------|
| Luft air | ASTM D 573 | 70 | 250 | -1,5 | +5 | +15 | |
| NaOH | ASTM D 471 | 100 | 72 | -4 | | | +5 |
| anhydrous ammonia | ASTM D 471 | 168 | 45 | +8 | | | -1,5 |
| Acetone | ASTM D 471 | 168 | 23 | -2 | | | +4 |
| MIBK | ASTM D 471 | 168 | 115 | | | | +6 |
| Heißwasser hot water | ASTM D 471 | 168 | 150 | -2 | | | +2 |

Designed specifically for chemical process industry.
Superior chemical resistance in chemicals, acids, bases, steam, organic and inorganic media, methanol, TBA and MBTE, esters, ethers.
Low contamination by extractable substances in pharmaceutical and food handling applications.

Werkstoffzulassungen /
material approvals
FDA 21CFR 177.2400
USP class VI
3A-Sanitary Standard
D.M. 21/03/1973
BfR XXI
EC 1935/2004 compliant

Die oben angegebenen Daten sind nach bestem Wissen und mit modernen Laborstandards an genormten Prüfkörpern ermittelt worden. Insbesondere beim Vergleich dieser Daten mit Werten, die an Fertigteilen ermittelt werden, kann es zu Abweichungen kommen.

The above indicated data were determined to the best knowledge according to modern laboratory standards on standardised test specimen. If these data are compared with data which were determined on finished parts it may come to variations.