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Werkstoffdatenblatt

Material test report

Eurolast®



| | | | |
|-----------------|--------------------------|-------------------------------|-----------------------|
| Compound no. | Eurolast® F757Z75 | Werkstofftyp material type | FFKM 75 |
| Farbe colour | schwarz black | Temp. bereich temp. range | -15°C / +340°C |

| Eigenschaft property | Einheit unit | Prüfmethode test method | Prüfparameter test parameter | Wert value |
|--|-------------------|----------------------------|----------------------------------|---------------|
| Härte hardness | Shore A | ASTM D 2240 | | 78±5 |
| Reißfestigkeit tensile strength | MPa | ASTM D 412 | | 10,3 |
| Reißdehnung ultimate elongation | % | ASTM D 412 | | 140 |
| Dichte specific gravity | g/cm ³ | ASTM D 1817 | | 2,00 |
| Druckverformungsrest compression set | % | ASTM D 395 B/1 | 70h / 230°C | 14 |
| Druckverformungsrest compression set | % | ASTM D 395 B/1 | 70h / 300°C | 20 |
| Druckverformungsrest compression set | % | ASTM D 395 B/1 | 70h / 316°C (deflection 18%) | 29 |
| Druckverformungsrest compression set | % | ASTM D 395 B/1 | 300h / 316°C (deflection 18%) | 47 |
| Druckverformungsrest compression set | % | ASTM D 395 B/1 | 700h / 316°C (deflection 18%) | 78 |
| Tieftemp.beständigkeit low temp. resistance | °C | ASTM D 1329 | TR10 | -1 |

Eigenschaftsänderungen nach Alterung changes of properties after ageing

| Medium medium | Prüfmethode test method | Zeit time | Temperatur temperature °C | Härte hardness Punkte points | Reißfestigkeit tensile strength % | Reißdehnung ultimate elongation % | Volumen volume % |
|------------------|----------------------------|--------------|---------------------------------|---------------------------------------|--|--|------------------------|
| Luft air | ASTM D 573 | 168 | 300 | -1,5 | -28 | +6 | |
| Luft air | ASTM D 573 | 1000 | 200 | +1 | +13 | 0 | |
| HNO ₃ | ASTM D 471 | 168 | 80 | -6 | | | +1,8 |

High temperature capability.

Low compression set at continuous temperature up to 300°C.

Broad chemical resistance. Designed specifically for chemical process industry for use in aggressive chemicals, not suitable for Steam and Amines at high temperature.

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.