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Werkstoffdatenblatt

Material test report

Eurolast®



Compound no. **Eurolast® F909Z93** Werkstofftyp **FFKM 90**
material type
Farbe **schwarz** Temp. bereich **-20°C / +270°C**
colour **black** temp. range

| Eigenschaft property | Einheit unit | Prüfmethode test method | Prüfparameter test parameter | Wert value |
|------------------------------------------------|-------------------|----------------------------|---------------------------------|---------------|
| Härte hardness | Shore A | ASTM D 2240 | | 90±5 |
| Reißfestigkeit tensile strength | MPa | ASTM D 412 | | 18,5 |
| Reißdehnung ultimate elongation | % | ASTM D 412 | | 110 |
| Dichte specific gravity | g/cm ³ | ASTM D 1817 | | 1,98 ±0,04 |
| Druckverformungsrest compression set | % | ASTM D 395 B/1 | 70h / 200°C | 19 |
| Tieftemp.beständigkeit low temp. resistance | °C | ASTM D 1329 | TR10 | -4 |

Eigenschaftsänderungen nach Alterung changes of properties after ageing

| Medium medium | Prüfmethode test method | Zeit time | Tempe- ratur tempe- rature °C | Härte hardness Punkte points | Reiß- festigkeit tensile strength % | Reiß- dehnung ultimate elongation % | Volumen volume % |
|---------------------------------------|----------------------------|--------------|-------------------------------------------|---------------------------------------|-------------------------------------------------|-------------------------------------------------|------------------------|
| Luft air | ASTM D 573 | 70 | 275 | -1,5 | -25 | +20 | |
| H ₂ SO ₄ 98% | ASTM D 471 | 70 | 60 | -1,1 | | | +2,9 |
| water+glycol (50/50) | ASTM D 471 | 168 | 150 | -2 | | | +2 |
| MEK | ASTM D 471 | 720 | 45 | -2,5 | | | +4,1 |
| Kraftstoff C fuel C | ASTM D 471 | 504 | 40 | | | | +8,5 |
| Ethylendiamin ethylendiamine | ASTM D 471 | 72 | 100 | -7 | | | +18 |
| Salpetersäure nitric acid | ASTM D 471 | 72 | 80 | -4 | | | +6 |

High temperature capability.

Good compression set at continuous temperature up to 270° (short time 300°C).

Broad chemical resistance. Designed specifically for chemical process industry for use in aggressive chemicals, acids, bases, steam, amines, organic and inorganic media, methanol, TBA and MBTE, esters and ethers.

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.