

|                              |                                                               |                                                                                                                                                                                         |
|------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Datum / date<br>17.06.2013   | <b>Werkstoffdatenblatt</b><br><br><b>material test report</b> |  <b>anyseals</b><br><br>Anyseals NV<br>Industriezone D - Preenakker 2-4<br>B-1785 Merchtem<br>Belgium |
| Revision / revision<br>2     |                                                               |                                                                                                                                                                                         |
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|                                    |                   |                               |            |
|------------------------------------|-------------------|-------------------------------|------------|
| Werkstoffnummer<br>material number | <b>1170-10103</b> | Werkstofftyp<br>material type | <b>FKM</b> |
| Farbe<br>colour                    | braun<br>brown    |                               |            |

| Eigenschaft<br>property                 | Einheit<br>unit   | Prüfmethode<br>test method | Prüfparameter<br>test parameter | Wert<br>value |
|-----------------------------------------|-------------------|----------------------------|---------------------------------|---------------|
| Härte<br>hardness                       | Shore A           | ASTM D 2240                |                                 | 70 ±5         |
| Reißfestigkeit<br>tensile strength      | MPa               | ASTM D 412                 |                                 | 10,8          |
| Reißdehnung<br>ultimate elongation      | %                 | ASTM D 412                 |                                 | 292           |
| Weiterreißfestigkeit<br>tear resistance | N/mm              | ASTM D 624 C               |                                 | 52            |
| Dichte<br>specific gravity              | g/cm <sup>3</sup> | ASTM D 1817                |                                 | 1,97          |
| Druckverformungsrest<br>compression set | %                 | ASTM D 395 B               | 22h / 200°C                     | 20            |

**Bonded seal  
Viton gummi**

**Eigenschaftsänderungen nach Alterung  
changes of properties after ageing**

| Medium<br>medium       | Prüfmethode<br>test method | Zeit<br>time | Temperatur<br>temperature<br>°C | Härte<br>hardness<br><br>Punkte<br>points | Reiß-<br>festigkeit<br>tensile<br>strength<br>% | Reiß-<br>dehnung<br>ultimate<br>elongation<br>% | Volumen<br>volume<br><br>% |
|------------------------|----------------------------|--------------|---------------------------------|-------------------------------------------|-------------------------------------------------|-------------------------------------------------|----------------------------|
| Luft<br>air            | ASTM D 573                 | 70           | 275                             | +3                                        | -27                                             | -10                                             | -5                         |
| ASTM<br>IRM oil 101    | ASTM D 471                 | 70           | 200                             | -11                                       | -35                                             | -10                                             | +12                        |
| Kraftstoff C<br>fuel C | ASTM D 471                 | 70           | 23                              | -4                                        | -21                                             | +4                                              | +4                         |
|                        |                            |              |                                 |                                           |                                                 |                                                 |                            |
|                        |                            |              |                                 |                                           |                                                 |                                                 |                            |
|                        |                            |              |                                 |                                           |                                                 |                                                 |                            |

**Werkstoffzulassungen  
material approvals**

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.