



LIFETIME TEST  
**AVK SUPA LOCK™**



The basin where Supa Lock™ was tested.



Supa Lock™ after lifetime testing is conducted.



LIFETIME TEST - TRANSLATIONS OF TEST REPORT

**AVK SUPA LOCK™**

|                    |   |       |   |
|--------------------|---|-------|---|
| Item:              | <b>AVK Supa Lock DN 32 fitting on 63 PE 100 pipes</b> | BRT   |   |
| Item no.:          |   | PVT   |   |
| Raw material:      |   | AT    |   |
| Colour:            |   | TT    |   |
| Product order no.: |   | PE80  |   |
| Selection date:    | <b>23-02-2016</b>                                     | PE100 | X |
| Requisition no.:   |   | PP    |   |
| Created by:        | <b>GIR</b>  | PVC   |   |
| Production site:   | <b>AVK</b>  | PE-X  |   |

| Basin no. | Test bench no.                         | Temperature           |                         | Test time  |                                   |                                   | Manometer   |            |
|-----------|--|-----------------------|-------------------------|--|-----------------------------------|-----------------------------------|-------------|------------|
| <b>3</b>  | <b>26</b>                              | <b>80</b>             | <b>° C</b>              | <b>165</b>   |                                   | <b>hours</b>                      | <b>1856</b> |            |
| Test no.  | Diameter (round off at nearest 0.1 mm) | Material thickness mm | Tension of the ring Mpa | Pressure bar (pressure calculated in compliance with DS/EN ISO 1167-1) | Tolerance bar (= +2% of pressure) | Tolerance bar (= -1% of pressure) | Start date  | Time hours |
|           | 63.0                                   | 5.80                  | 5.4                     | 10.95  | 0.22                              | 0.11                              | 230216      | 165        |
|           |  |                       |                         |  |                                   |                                   |             |            |
|           |  |                       |                         |  |                                   |                                   |             |            |
|           |  |                       |                         |  |                                   |                                   |             |            |

|                             |                           |                   |                            |
|-----------------------------|---------------------------|-------------------|----------------------------|
| Applied measuring tool no.: | nom                       | nom               | GIR                        |
|                             | <b>Circometer/caliper</b> | <b>Mikrometer</b> | <b>Measured by (sign.)</b> |
|                             | mm                        |                   |                            |

|  |               |               |                |
|--|---------------|---------------|----------------|
| <b>Comments:</b>   |               |               |                |
| <b>X</b>   |               | <b>010316</b> | <b>GIR</b>     |
| <b>OK</b>  | <b>Not OK</b> | <b>Date</b>   | <b>Sign. Q</b> |
| <p>Udregning af tryk:</p> $p = 10d \times \frac{2e}{d_e - e}$ <p>where</p> <p>d is the tension of the ring that should be applied to the item by the applied pressure; in Mpa</p> <p>d<sub>e</sub> Is the measured average outer diameter of the test item in mm</p> <p>e Is the measured minimum material thickness on the free length of the test item in mm</p> |               |               |                |
| <div style="border: 1px solid black; padding: 5px;">                 St. min. material thickness: &lt; 10 mm round to nearest 0.05 mm &amp; &gt; 10 mm round to nearest 0.1 mm             </div>  |               |               |                |

Blanket nr. 1. Afd. 370/OR. Rev.dato 2013-07-12

LIFETIME TEST  
**AVK SUPA LOCK™**



Trykprøvning

|                   |  |       |   |
|-------------------|--|-------|---|
| Emne:             | AVK Supa Lock 32 fitting 63 PE 100 rør | BRT   |   |
| Varenr.:          |  | PVT   |   |
| Råvare:           |  | AT    |   |
| Farve:            |  | TT    |   |
| Prod.ordre nr.:   |  | PE80  |   |
| Udt. Dato:        | 230216                                 | PE100 | X |
| Rekv.nr.:         |  | PP    |   |
| Oprettet af:      | GIR                                    | PVC   |   |
| Produktions sted: | AVK                                    | PE-X  |   |

| Kar nr.   | Prøvestand nr.                                   | Temperatur           |                          | Test tid  |                                     |                                     | Manometer  |           |
|-----------|--|----------------------|--------------------------|---|-------------------------------------|-------------------------------------|------------|-----------|
|           |  | 80                   | ° C                      | 165   |                                     | timer                               |            |           |
| 3         | 26   |                      |                          |   |                                     |                                     | 1856       |           |
| Prøve nr. | Diameter<br>(afrundet til<br>nærmeste 0,1<br>mm) | Godstyk-<br>kelse mm | Ring-<br>spænding<br>Mpa | Tryk bar<br>(Tryk beregnet<br>iht. DS/EN ISO<br>1167-1) | Tolerance<br>bar (= +2% af<br>tryk) | Tolerance<br>bar (= -1% af<br>tryk) | Start dato | Tid timer |
|           | 63,0   | 5,80                 | 5,4                      | 10,95   | 0,22                                | 0,11                                | 230216     | 165       |
|           |  |                      |                          |   |                                     |                                     |            |           |
|           |  |                      |                          |   |                                     |                                     |            |           |

|                          |                          |        |                      |
|--------------------------|--------------------------|--------|----------------------|
| Anvendt måleværktøjsnr.: | nom                      | nom    | GIR                  |
|                          | Cirkometer/<br>skydelære | Godsur | Opmålt af<br>(sign.) |

| Bemærkninger:      |                                     |   |  |
|--------------------|-------------------------------------|---|--|
|                    | X                                   | 010316  | GIR  |
|                    | OK                                  | Ej OK   | Dato Sign. Q   |
| Udregning af tryk: | $p = 10d \times \frac{2e}{d_e - e}$ |   | St. min. godstykke: < 10 mm rund til nærmeste 0,05 mm & > 10 mm rund til nærmeste 0,1 mm |
|                    | hvor                                |   |  |
|                    | d                                   | er den ringsspænding, der skal påføres emnet, af det påførte tryk; i Mpa      |  |
|                    | d <sub>e</sub>                      | er den målte gennemsnitlige udvendige diameter på testemnet, i millimeter;    |  |
|                    | e                                   | er den målte minimum godstykke på den frie længde på testemnet, i millimeter. |  |

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