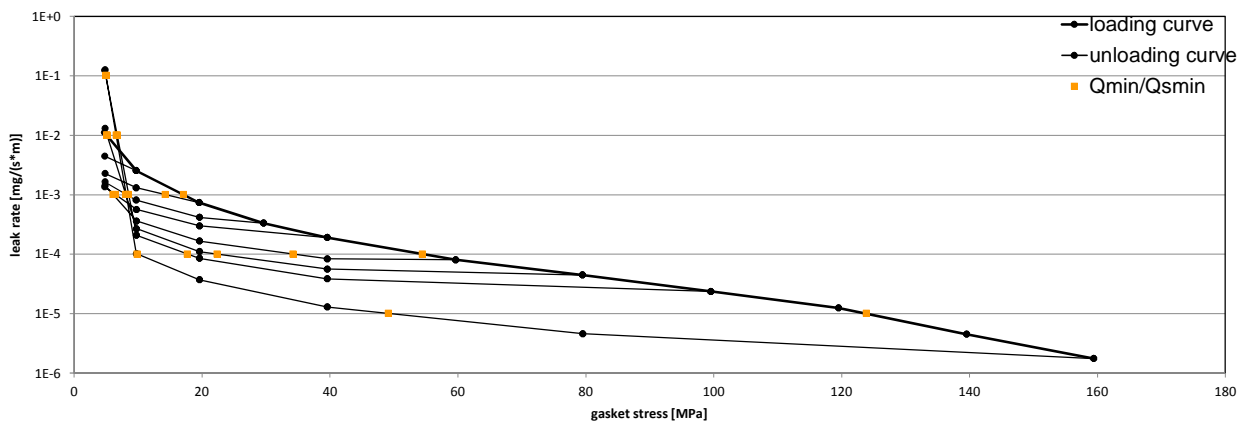


| | |
|---------------------------------|--|
| Company Address | Leader Gasket Technologies, Psumovicka ulica 1026, 014 01 Bytca, Slovak republik |
| Gasket Type | Elastagraph 316SS corrugated with graphite |
| Sealing element dimensions [mm] | 92 x 48 x 2.4 |

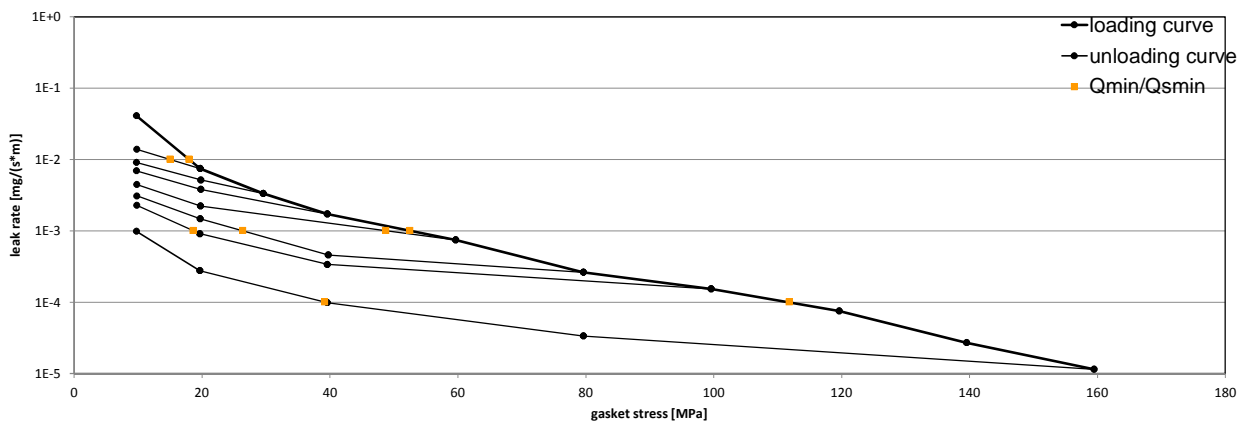
| L [mg/(s*m)] | Q _{min/L} [MPa] | Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 10 bar | | | | | | | | | |
|------------------|--------------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | | Q _{Smin/L} [MPa] | | | | | | | | | |
| | | Q _A = 10 MPa | Q _A = 20 MPa | Q _A = 30 MPa | Q _A = 40 MPa | Q _A = 60 MPa | Q _A = 80 MPa | Q _A = 100 MPa | Q _A = 120 MPa | Q _A = 140 MPa | Q _A = 160 MPa |
| 10 ⁰ | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | 5 |
| 10 ⁻¹ | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | 5 |
| 10 ⁻² | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 7 | | | 7 |
| 10 ⁻³ | 17 | | 14 | 8 | 6 | 6 | 8 | 9 | | | 8 |
| 10 ⁻⁴ | 54 | | | | | 34 | 22 | 18 | | | 10 |
| 10 ⁻⁵ | 124 | | | | | | | | | | 49 |
| 10 ⁻⁶ | | | | | | | | | | | |
| 10 ⁻⁷ | | | | | | | | | | | |
| 10 ⁻⁸ | | | | | | | | | | | |

Leakage - ambient temperature / inner pressure = 10 bar



| L [mg/(s*m)] | Q _{min/L} [MPa] | Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 40 bar | | | | | | | | |
|------------------|--------------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | | Q _{Smin/L} [MPa] | | | | | | | | |
| | | Q _A = 20 MPa | Q _A = 30 MPa | Q _A = 40 MPa | Q _A = 60 MPa | Q _A = 80 MPa | Q _A = 100 MPa | Q _A = 120 MPa | Q _A = 140 MPa | Q _A = 160 MPa |
| 10 ⁰ | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | 10 |
| 10 ⁻¹ | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | 10 |
| 10 ⁻² | 18 | 15 | 10 | 10 | 10 | 10 | 10 | | | 10 |
| 10 ⁻³ | 53 | | | | 49 | 26 | 19 | | | 10 |
| 10 ⁻⁴ | 112 | | | | | | | | | 39 |
| 10 ⁻⁵ | | | | | | | | | | |
| 10 ⁻⁶ | | | | | | | | | | |
| 10 ⁻⁷ | | | | | | | | | | |
| 10 ⁻⁸ | | | | | | | | | | |

Leakage - ambient temperature / inner pressure = 40 bar



Note: the content of darkened cells was not determined respectively is unnecessary

Rev - No: 2

Creation date of this sheet:

04.07.2014

page 1 of 2



Center of Sealing Technologies, Bürgerkamp 3, 48565 Steinfurt, Germany

