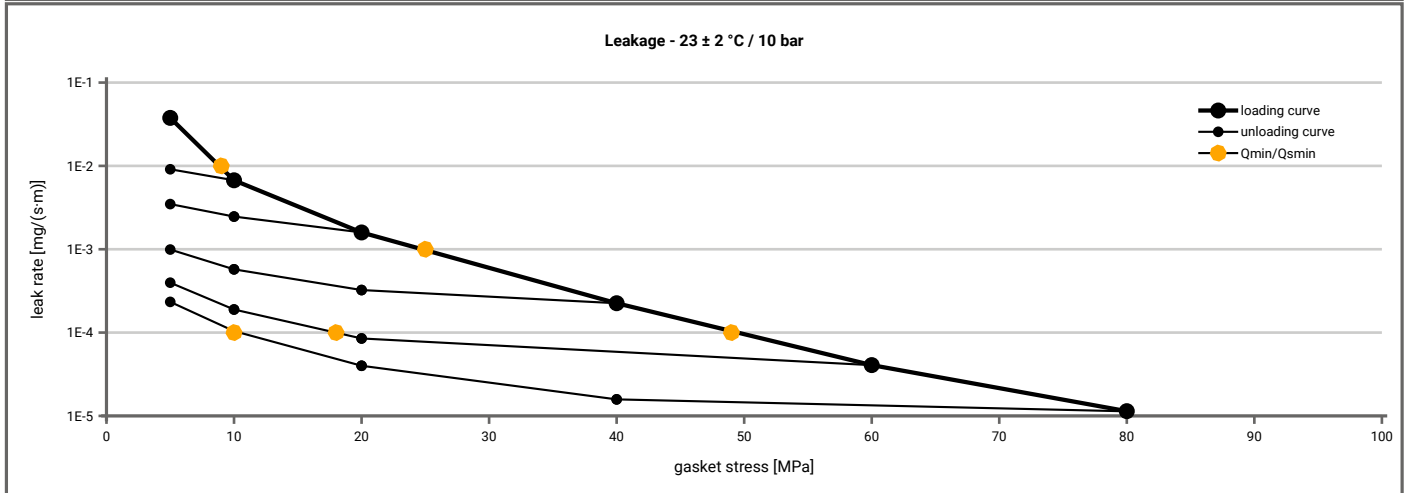
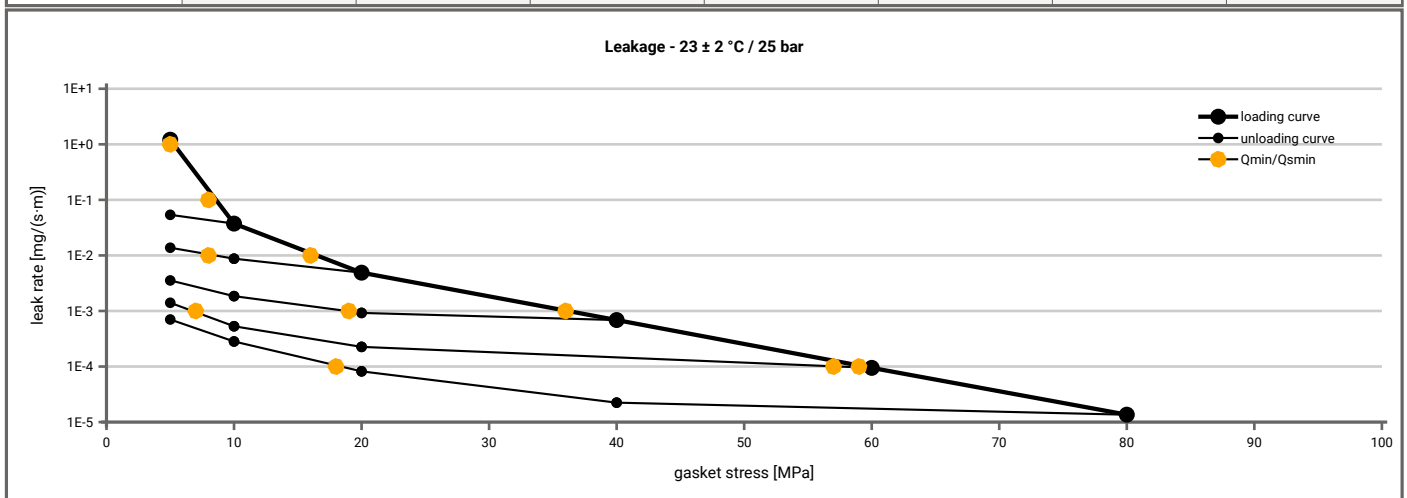


| | | |
|-----------------------------|--|--|
| Manufacturer address | Frenzelit GmbH, Frankenhammer, 95460 Bad Berneck, DE | According to DIN EN 13555 2005-2 |
| Product name | novaphit SSTC TA-L | |
| Product dimensions | 92 x 49 x 2 mm (DIN EN 1514-1 1997-8) | |

| Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 10$ bar ($T = 23 \pm 2$ °C) | | | | | | | |
|--|--------------------|---------------------|------------------|------------------|------------------|------------------|------------------|
| L [mg/(s·m)] | $Q_{min(L)}$ [MPa] | $Q_{smin(L)}$ [MPa] | | | | | |
| | | $Q_A = 5.3$ [MPa] | $Q_A = 10$ [MPa] | $Q_A = 20$ [MPa] | $Q_A = 40$ [MPa] | $Q_A = 60$ [MPa] | $Q_A = 80$ [MPa] |
| 1E-0 | 5 | | 5 | 5 | 5 | 5 | 5 |
| 1E-1 | 5 | | 5 | 5 | 5 | 5 | 5 |
| 1E-2 | 9 | | 5 | 5 | 5 | 5 | 5 |
| 1E-3 | 25 | | | | 5 | 5 | 5 |
| 1E-4 | 50 | | | | | 18 | 11 |
| 1E-5 | | | | | | | |
| 1E-6 | | | | | | | |
| 1E-7 | | | | | | | |
| 1E-8 | | | | | | | |



| Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 25$ bar ($T = 23 \pm 2$ °C) | | | | | | | |
|--|--------------------|---------------------|------------------|------------------|------------------|------------------|------------------|
| L [mg/(s·m)] | $Q_{min(L)}$ [MPa] | $Q_{smin(L)}$ [MPa] | | | | | |
| | | $Q_A = 5.4$ [MPa] | $Q_A = 10$ [MPa] | $Q_A = 20$ [MPa] | $Q_A = 40$ [MPa] | $Q_A = 60$ [MPa] | $Q_A = 80$ [MPa] |
| 1E+1 | 5 | | 5 | 5 | 5 | 5 | 5 |
| 1E-0 | 6 | | 5 | 5 | 5 | 5 | 5 |
| 1E-1 | 9 | | 5 | 5 | 5 | 5 | 5 |
| 1E-2 | 17 | | | 9 | 5 | 5 | 5 |
| 1E-3 | 36 | | | | 19 | 7 | 5 |
| 1E-4 | 60 | | | | | 58 | 19 |
| 1E-5 | | | | | | | |
| 1E-6 | | | | | | | |
| 1E-7 | | | | | | | |
| 1E-8 | | | | | | | |



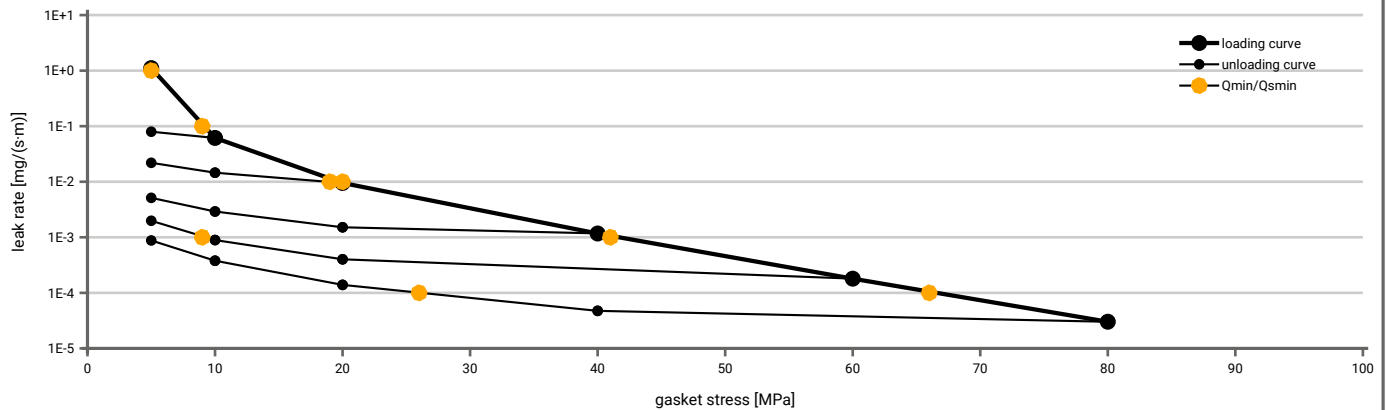
Note: the content of darkened cells was not determined respectively is unnecessary Rev.-No.: 1 Creation date of this sheet: 2011-09-09

| | | |
|-----------------------------|--|--|
| Manufacturer address | Frenzelit GmbH, Frankenhammer, 95460 Bad Berneck, DE | According to DIN EN 13555 2005-2 |
| Product name | novaphit SSTC TA-L | |
| Product dimensions | 92 x 49 x 2 mm (DIN EN 1514-1 1997-8) | |

Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 40 \text{ bar}$ ($T = 23 \pm 2 \text{ }^\circ\text{C}$)

| L [mg/(s·m)] | $Q_{min(L)}$ [MPa] | $Q_{smin(L)}$ [MPa] | | | | | |
|--------------|--------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | | $Q_A = 5.4 \text{ [MPa]}$ | $Q_A = 10 \text{ [MPa]}$ | $Q_A = 20 \text{ [MPa]}$ | $Q_A = 40 \text{ [MPa]}$ | $Q_A = 60 \text{ [MPa]}$ | $Q_A = 80 \text{ [MPa]}$ |
| 1E+1 | 5 | | 5 | 5 | 5 | 5 | 5 |
| 1E+0 | 6 | | 5 | 5 | 5 | 5 | 5 |
| 1E-1 | 10 | | 5 | 5 | 5 | 5 | 5 |
| 1E-2 | 20 | | | 19 | 5 | 5 | 5 |
| 1E-3 | 42 | | | | | 10 | 5 |
| 1E-4 | 67 | | | | | | 26 |
| 1E-5 | | | | | | | |
| 1E-6 | | | | | | | |
| 1E-7 | | | | | | | |
| 1E-8 | | | | | | | |

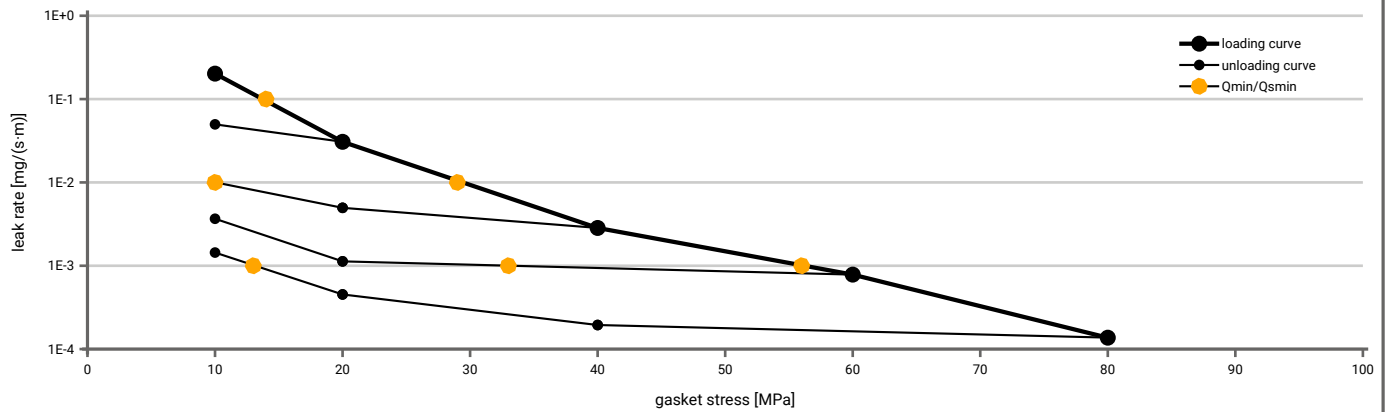
Leakage - $23 \pm 2 \text{ }^\circ\text{C}$ / 40 bar



Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 63 \text{ bar}$ ($T = 23 \pm 2 \text{ }^\circ\text{C}$)

| L [mg/(s·m)] | $Q_{min(L)}$ [MPa] | $Q_{smin(L)}$ [MPa] | | | | |
|--------------|--------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | | $Q_A = 10 \text{ [MPa]}$ | $Q_A = 20 \text{ [MPa]}$ | $Q_A = 40 \text{ [MPa]}$ | $Q_A = 60 \text{ [MPa]}$ | $Q_A = 80 \text{ [MPa]}$ |
| 1E-0 | 10 | | 10 | 10 | 10 | 10 |
| 1E-1 | 14 | | 10 | 10 | 10 | 10 |
| 1E-2 | 30 | | | 10 | 10 | 10 |
| 1E-3 | 56 | | | | 34 | 14 |
| 1E-4 | | | | | | |
| 1E-5 | | | | | | |
| 1E-6 | | | | | | |
| 1E-7 | | | | | | |
| 1E-8 | | | | | | |

Leakage - $23 \pm 2 \text{ }^\circ\text{C}$ / 63 bar



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

Rev.-No.: 1

Creation date of this sheet: 2011-09-09

