

novatec[®] PREMIUM XP

Material profile:

- Highly compressed gasket material with good stress
- relaxation, temperature resistance and with good ductility
- The main components are graphite and aramid fibres, bound with NBR
- · State-of-the-art material which combines the advantages of graphite and aramid.

engineered graphite with Kevlar®

Typical applications:

- · For the general and chemical industry
- · Oils and fats, acids and alkalis, solvents, refrigerants, water, steam

Supply data:

 Sheet sizes in mm: 2000x1500 • Thickness in mm: 1.0 / 1.5 / 2.0 / 3.0 Special sheet sizes upon request Other thicknesses upon request

| Colour: Branding: Anti-stick coating: Tolerances in thickness: Property dentification Density Tensile strength longitudinal transverse | royal blue honeycomb with Fre both sides A310 sta acc. DIN 28091-1 Standard DIN 28 091-2 DIN 28 090-2 DIN 52 910 | ndard Unity [g/cm³] | Value * FA - A 1 - O 1.74 |
|---|---|--|--|
| Anti-stick coating: Tolerances in thickness: Property dentification Density Tensile strength longitudinal transverse | both sides A310 sta acc. DIN 28091-1 Standard DIN 28 091-2 DIN 28 090-2 | ndard Unity [g/cm³] | FA - A 1 - O |
| Tolerances in thickness: Property dentification Density Tensile strength longitudinal transverse | acc. DIN 28091-1 Standard DIN 28 091-2 DIN 28 090-2 | Unity [g/cm³] | FA - A 1 - O |
| Property dentification Density Tensile strength longitudinal transverse | Standard DIN 28 091-2 DIN 28 090-2 | [g/cm³] | FA - A 1 - O |
| dentification Density Tensile strength longitudinal transverse | DIN 28 091-2 DIN 28 090-2 | [g/cm³] | FA - A 1 - O |
| Density Tensile strength longitudinal transverse | DIN 28 090-2 | | |
| Tensile strength longitudinal transverse | | | 1.74 |
| longitudinal transverse | DIN 52 910 | [N1/mm ^{2]} | |
| transverse | | [NI/mm2] | |
| | | [N/mm ²] | 20 |
| | | [N/mm²] | 18 |
| Decidual strace a | DIN 52 913 | | |
| Residual stress σ _{dE/16} 175℃ | DIN 32 313 | [N/mm²] | 37 |
| 300°C | | [N/mm²] | 30 |
| | | | |
| Compressibility | ASTM F 36 J | [%] | 6 |
| Recovery | ASTM F 36 J | [%] | 60 |
| | | | |
| | | | 6 |
| | | | 3 |
| Hot creep e _{WSW/200} | | | 8 |
| | | | 0.04 |
| | DIN 20 030-2 | [11111] | 0.04 |
| Specific leakage rate | DIN 3535-6 | [ma/(m*s)] | ≤ 0.05 |
| | | | ≤ 0.05 |
| | | 1 9 1 71 | |
| Fluid resistance | ASTM F 146 | | |
| ASTM IRM903 | 5h/150℃ | | |
| Weight change | | [%] | 8 |
| Thickness increase | | [%] | 5 |
| ASTM Fuel B | 5h/23℃ | | |
| | | [%] | 8 |
| Thickness increase | | [%] | 5 |
| Chloride content | FZT PV-001-133 | [ppm] | ≤ 50 |
| | Compressibility Recovery Cold compressibility ε_{KSW} Cold recovery ε_{KRW} Not creep $\varepsilon_{WSW/200}$ Not recovery $\varepsilon_{WRW/200}$ Recovery R Specific leakage rate Specific leakage rate $\lambda_{2,0}$ Fluid resistance ASTM IRM903 Weight change Thickness increase ASTM Fuel B Weight change Thickness increase | CompressibilityASTM F 36 JRecoveryASTM F 36 JCold compressibility ε_{KSW} DIN 28 090-2Cold recovery ε_{KRW} DIN 28 090-2Not creep $\varepsilon_{WSW/200}$ DIN 28 090-2Not recovery $\varepsilon_{WRW/200}$ DIN 28 090-2Recovery RDIN 28 090-2Specific leakage rateDIN 3535-6Specific leakage rate $\lambda_{2,0}$ DIN 28 090-2Recovery RDIN 28 090-2Specific leakage rateDIN 3535-6Specific leakage rate $\lambda_{2,0}$ DIN 28 090-2Recovery RDIN 28 090-2Specific leakage rateDIN 28 090-2Specific leakage rateSh/150 °CWeight changeSh/23 °CWeight changeSh/23 °CSpecific leakage contentFZT PV-001-133 | Compressibility RecoveryASTM F 36 J (%)[%] (%)Cold compressibility ε_{KSW} DIN 28 090-2[%]Cold compressibility ε_{KSW} DIN 28 090-2[%]Cold recovery ε_{KRW} DIN 28 090-2[%]Not creep $\varepsilon_{WSW/200}$ DIN 28 090-2[%]Not recovery $\varepsilon_{WRW/200}$ DIN 28 090-2[%]Recovery RDIN 28 090-2[%]Bepecific leakage rateDIN 3535-6[mg/(m·s)]Specific leakage rate $\lambda_{2,0}$ DIN 28 090-2[mg/(m·s)]Suid resistanceASTM F 1465h/150 °CASTM IRM9035h/150 °C[%]Weight change[%]Thickness increase5h/23 °CWeight change[%]Thickness increase[%]Meight change[%]Thickness increase[%]Meight change[%]Thickness increase[%] |

Modifications: 1 Supersedes all prior versions can be inferred regarding the behaviour of a flanged joint.

We reserve the right to product changes which serve the purpose of technical progress.