

## novatec® PREMIUM XP ZW 9500

Thanks to optimum composition of graphite and Kevlar®, this Germany-made gasket has offer completely new product qualities and outperforms all common high pressure gasket materials. Kevlar® gives it its high tensile strength and high percentage of graphite but low percentage of binder provides remarkable resistance to media and temperature. It distinguishes itself by its excellent adaptability to flange irregularities. The standard A310 anti-stick coating on both sides facilitates the removal of the gasket during routine maintenance inspections.

The combination of good media resistance at high temperatures, excellent stress relaxation, and very good adaptability guarantee universally applicable and maximum design safety. Novatec® PREMIUM XP covers 80% of all industrial applications.

Kevlar® is a trademark registered by Dupont.

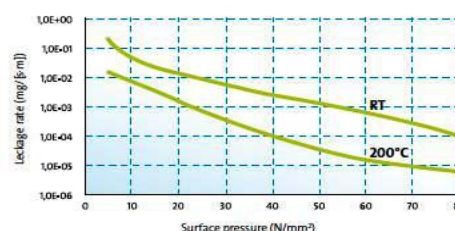
### ● Approval

- \* DVGW Approval
  - VP 401 – HTB fire safe
  - W270
- \* SVGW
- \* KTW / WRAS
- \* BAM Max. 120 °C/130 bar (gaseous oxygen)
- \* EG 1935/2004
- \* Germanischer Lloyd
- \* TA-Luft (According to DIN 1591-1, reach L<sub>0,01</sub> under VDI 2290)

### ● Physical properties



Leakage rate under the influence of temperature



novatec® PREMIUM XP is designed for minimum leakage. The microporosity of the innovative gasket material decrease under the influence of temperature and surface pressure.

**-Sample dimensions : 92 x 49 x 2 mm.**

**-Internal pressure: 25bar,**

**-Test medium: He**

General data	Binders	NBR	
	Fiber	Graphite & Kevlar® Fiber	
	Anti-stick coating	Both sides A310 standard	
	Colour	Royal blue	
	Tolerances in thickness	According to DIN 28 091-1	
Gasket thickness 2.0mm	Identification	DIN 28 091-2	FA-A1-O
	Temperature	Max. 450°C	
	Pressure	Max. 100 bar	
	Density	DIN 28 091-2 [g/cm³]	1.74
	Tensile Strength longitudinal transverse	DIN 52 910	
		[N/mm²]	20
		[N/mm²]	18
	Residual stress $\sigma_{dE/16}$ 170°C 300°C	DIN 52 913	
		[N/mm²]	37
		[N/mm²]	30
	Compressibility	ASTM F36 J [%]	6
	Recovery	ASTM F36 J [%]	60
	Cold compressibility $\epsilon_{KEW}$	DIN 28 090-2 [%]	6
	Cold recovery $\epsilon_{KRW}$	DIN 28 090-2 [%]	3
	Hot creep $\epsilon_{WSW/200}$	DIN 28 090-2 [%]	8
	Hot recovery $\epsilon_{WRW/200}$	DIN 28 090-2 [%]	2
	Recovery R	DIN 28 090-2 [mm]	0.04
	Specific leakage rate	DIN 3535-6 [Mg/s-m]	≤0.05
	Specific leakage rate $\lambda_{2,0}$	DIN 28 090-2 [Mg/s-m]	≤0.05
	Fluid resistance	ASTM F146	
Product data	IRM 903 Weight change	5h / 150°C [%]	≤8
		Thickness increase [%]	≤5
	Fuel B Weight change	5h / 23°C [%]	≤8
		Thickness increase [%]	≤5
	Chloride content	Siemens AV-9-014 [ppm]	≤50

Note: If required, we also offer the best service in all systems products of Frenzeliit.