

novatec[®] 925 F engineered graphite with Kevlar[®]

Material profile:

- Highly compressed gasket material with good stress relaxation, temperature resistant 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.

Typical applications:

- For extreme applications in the general industry.
- Gasket for automotive applications, e.g. oil-filter support, thermostat casing, intake gasket.
- Oils and greases, acids and alkalis, solvents, refrigerants, water, steam.

Supply data:

- Sheet sizes in mm: 2000x1500
- Thickness in mm: 1.0 - 3.2
- Special sheet sizes upon request
- Other thicknesses upon request

General data	Binders:	NBR					
	Colour:	grape					
	Branding:	honeycomb with Frenzelit					
	Anti-stick coating:	both sides A 310 standard					
	Tolerances in size and thickness:	acc. to DIN 28091-1					
Physical properties (Gasket thicken. 0.80mm)	Property	Standard	Unity	Value *			
	Identification	DIN 28 091-2		FA - A 1 - O			
	Density	DIN 28 090-2	[g/cm ³]	1.63			
	Tensile strength	longitudinal	DIN 52 910	[N/mm ²]	10		
				transverse	[N/mm ²]	9	
	Residual stress $\sigma_{dE/16}$	175 °C	DIN 52 913	[N/mm ²]	45		
				300 °C	[N/mm ²]	43	
	Compressibility	ASTM F 36 J	[%]	12			
	Recovery	ASTM F 36 J	[%]	43			
	Fluid resistance	ASTM IRM903	5h/150 °C				
				Weight change	[%]	14	
				Thickness increase	[%]	4.5	
				ASTM Fuel B	5h/23 °C		
						Weight change	[%]
Thickness increase	[%]	4.5					

* = Mode (typical value)

Issue: 12.08

Modifications: 3

Supersedes all prior versions

The technical data stated has been determined with standard material under laboratory conditions. With the variety of installation and operating conditions no guarantee claim can be inferred regarding the behaviour of a flanged joint.

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