

## novatec<sup>®</sup> SPECIAL

engineered graphite with Kevlar<sup>®</sup>

### Material profile:

- highly adaptable gasket material with a high percentage of graphite, flexible, easy to cut
- very good stress relaxation
- excellent chemical and thermal resistance

### Typical applications:

- THE steam gasket used in power plants
- Application in the general and chemical industry for oils, water, steam, weak acids and alkalines

### Supply data:

- Sheet sizes in mm: 2000 x 1500 / 1500 x 1500 / 1000 x 2000
- Thickness in mm: 1.0 / 1.5 / 2.0 / 3.0
- Special sizes upon request
- Other thicknesses upon request

General data	Binders: Colour: Branding: Anti-stick coating: Tolerances in thickness:	NBR golden brown Honeycomb with Novatec Special both sides A310 acc. DIN 28091-1		
Physical properties (Gasket thckn. 2.0 mm)	Property	Standard	Unity	Value *
	Identification	DIN 28 091-2		FA - A 1 - O
	Density	DIN 28 090-2	[g/cm <sup>3</sup> ]	1.00 ± 0.05
	Tensile strength	DIN 52 910		
			longitudinal	≥ 2.0
			transverse	≥ 1.2
	Residual stress $\sigma_{dE/16}$	DIN 52 913		
			175°C	≥ 40
			300°C	≥ 38
	Compressibility	ASTM F 36 J	[%]	45 ± 5
	Recovery	ASTM F 36 J	[%]	≥ 8.0
	Fluid resistance	ASTM F 146		
	<u>ASTM IRM903</u>	5h/150°C		
	Weight change		[%]	≤ 45
	Thickness increase		[%]	≤ 2
	<u>ASTM Fuel B</u>	5h/23°C		
	Weight change		[%]	≤ 40
	Thickness increase		[%]	≤ 2

\* = Mode (typical value)

Issue: 12.08

Modifications: 5

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.