

novatec[®] SPECIAL

engineered graphite with Kevlar[®]

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