

novaform[®] SK

Material profile:

- Asbestos-free special material with a solid insert made of galvanised iron mesh (Material No.: 1.0314)

Typical applications:

- For extreme mechanical and thermal applications, especially hot exhaust fumes, as in exhaust systems, exhaust turbo-chargers, compressors
- Preferably used in combination with a metal envelope

Supply data:

- Sheet sizes in mm: 1000x1000 as roll section
- Thickness in mm: 0.80 / 1.00 / 1.20 / 1.50 / 2.00 / 3.00
- Special sheet sizes upon request
- Other thicknesses upon request

General data	Binders:	NBR / NR		
	Approvals:	GL		
	Anti-stick coating:	rolled-on graphite layer		
	Colour:	both sides black (dark grey)		
	Sheet size and thickness tolerance:	acc. DIN 28 091-1		
Physical properties (Gasket thicken. 2.00 mm)	Property	Standard	Unity	Value *
	Density		DIN 28 090-2	[g/cm ³]
Tensile strength	longitudinal	DIN 52 910	[N/mm ²]	25
	transverse		[N/mm ²]	22
Residual stress $\sigma_{dE/16}$	175 °C	DIN 52 913	[N/mm ²]	42
	300 °C		[N/mm ²]	40
Compressibility		ASTM F 36 J	[%]	13
Recovery		ASTM F 36 J	[%]	33
Fluid resistance		ASTM F 146		
	<u>ASTM IRM903</u>	5h/150 °C		
	Weight change		[%]	25
	Thickness increase		[%]	2
	<u>ASTM Fuel B</u>	5h/23 °C		
	Weight change		[%]	20
	Thickness increase		[%]	2
	<u>Coolant/Water (50:50)</u>	5h/100 °C		
	Weight change		[%]	30
	Thickness increase		[%]	3

* = Mode (typical value)

Ausgabe: 05.11

Modifications: 12

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.