

# Technical Data Sheet

## novaform 429

### Material profile:

- New material composite with an oil-resistant hard core and a soft covering layer on each having controlled swelling properties in oil

### Typical applications:

- Particularly suitable for absorbing high local surface pressures, at the same time very good adaptability to flange irregularities at low surface pressures

### Supply data:

- Sheet sizes in mm: 1000x1500 / 1500x1500 / 3000x1500
- Thickness in mm: 1.00 / 1.50 / 2.00 / 3.00
- Special sheet sizes upon request
- Other thicknesses upon request

General data	Binders:	Core: NBR; Cover: NR/NBR		
	Anti-stick coating:	non standard		
	Colour:	one side brown, one side red		
Physical properties (Gasket thicken. 2.00mm)	Property	Standard	Unity	Value *
	Density	DIN 28 090-2	[g/cm <sup>3</sup> ]	1.45
Tensile strength	DIN 52 910			
	longitudinal		[N/mm <sup>2</sup> ]	32
	transvers		[N/mm <sup>2</sup> ]	9
Residual stress $\sigma_{dE/16}$	DIN 52 913			
	175°C		[N/mm <sup>2</sup> ]	32
	300°C		[N/mm <sup>2</sup> ]	24
Compressibility	ASTM F 36 J		[%]	8
Recovery	ASTM F 36 J		[%]	66
Fluid resistance	ASTM F 146			
	<u>ASTM IRM903</u>	5h/150°C		
	Weight change		[%]	23
	Thickness increase		[%]	12
	<u>ASTM Fuel B</u>	5h/23°C		
	Weight change		[%]	18
	Thickness increase		[%]	10
	<u>Coolant/Water (50:50)</u>	5h/100°C		
	Weight change		[%]	11
	Thickness increase		[%]	2

\* = Mode (typical value)

Issue: 02.04

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.