Technical Data Sheet

Frenzelit

novaform® 220 S

Material profile:
- Universally-applicable gasket material for controlled swell applications in media
- The controlled swell properties in oil / fuel can compensate unequal load distributions and distortions

Typical applications:
- Secondary gasket in general for low and medium loads
- Valve covers
- Oil pans
- Gearbox gasket
- Transmission boxes
- Diesel fuel injection pumps

Supply data:
- Sheet sizes in mm: 1000x1500 / 1500x1500 / 3000x1500
- Thickness in mm: 0.50 / 0.80 / 1.00 / 1.50 / 2.00
- Special sheet sizes upon request
- Other thicknesses upon request

General data	Binders:	SBR / NR		
	Anti-stick coating:	non standard		
	Colour:	one side brown with branding, one side yellow		
	Property	**Standard**	**Unity**	**Value ***
Physical properties (Gasket thickn. 1.00 mm)	Density	DIN 28 090-2	[g/cm³]	1.55
	Tensile strength	DIN 52 910		
	longitudinal		[N/mm²]	14
	transverse		[N/mm²]	5.5
	Residual stress $\sigma_{dE/16}$	DIN 52 913		
	175 °C		[N/mm²]	40
	300 °C		[N/mm²]	30
	Compressibility	ASTM F 36 J	[%]	9
	Recovery	ASTM F 36 J	[%]	52
	Fluid resistance	ASTM F 146		
	ASTM IRM903	5h/150 °C		
	Weight change		[%]	30
	Thickness increase		[%]	21
	ASTM Fuel B	5h/23 °C		
	Weight change		[%]	21
	Thickness increase		[%]	19
	Coolant/Water (50:50)	5h/100 °C		
	Weight change		[%]	3
	Thickness increase		[%]	1

* = Mode (typical value)

Issue: 07.08

Modifications: 2

Supersedes all prior versions

The technical data stated has been determined with standard material under laboratroy 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.

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