

novaplan[®] 80

Material profile:

- Facing material for cylinder head gaskets
- The main components are organic/inorganic fibres, high-quality fillers, bound with NBR rubber
- can be used without impregnation
- compatible with all known materials for silk screening/top coating

Typical applications:

- Steel-reinforced soft material for tanged metal / flat sheet technology especially for the aftermarket
- Secondary gaskets
- intake and exhaust manifold
- Otto carburetor engines
- Diesel engines

Supply data:

- | | | | |
|----------------|--|--------------------|-------------------------------------|
| Rolls | • 1000 / 1010 or 2000 / 2020mm | Thickness | • from 0.40 to 1.30mm |
| Outer diameter | • 700mm | Weight / unit area | • 500 - 1500g/m ² (± 4%) |
| Coils | • from 150 to 2020mm wound on paper coils - inner diameter 70mm or 100mm | | |
| | • Special sizes upon request | | |

General data	Binders:	NBR, sulphur-free			
	Branding	without branding			
	Anti-stick-coating	optional Anti-Sticking-Coating, A310 black			
	Colour:	black			
	State of vulcanisation:	vulcanised			
Physical properties (Gasket thickn. 0.80mm)	Property	Standard	Unity	Value *	
	Density	DIN 28 090-2	[g/cm ³]	1.15	
	Tensile strength	DIN 52 910	longitudinal	[N/mm ²]	4.5
			transverse	[N/mm ²]	3.0
	Residual stress $\sigma_{dE/16}$	DIN 52 913	[N/mm ²]	44	
	175°C				
	Compressibility	ASTM F 36 J	[%]	35	
	Recovery	ASTM F 36 J	[%]	22	
	Loss on ignition	DIN 52 911	[%]	21	
	Fluid resistance	ASTM F 146			
	<u>ASTM IRM903</u>	5h/150°C			
	Weight change		[%]	42	
	Thickness increase		[%]	4	
	<u>ASTM Fuel B</u>	5h/23°C			
	Weight change		[%]	32	
Thickness increase		[%]	2		
<u>Coolant/Water (50:50)</u>	5h/100°C				
Weight change		[%]	48		
Thickness increase		[%]	5		

* = Mode (typical value)

Issue: 12.08

Modifications: 6

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 in a specific application.
We reserve the right to product changes which serve the purpose of technical progress.