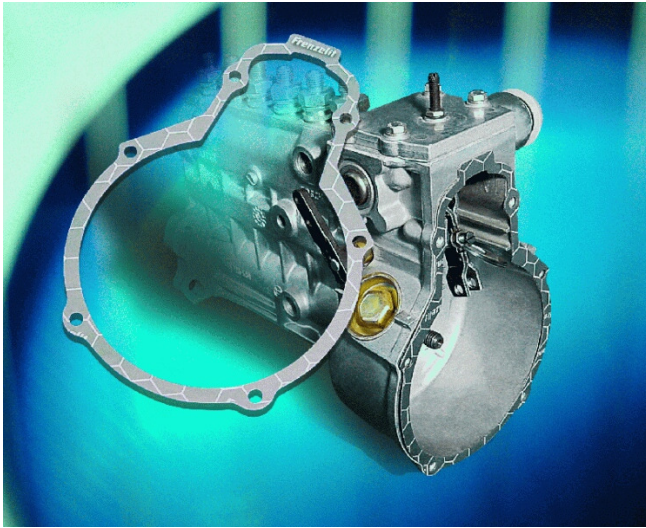


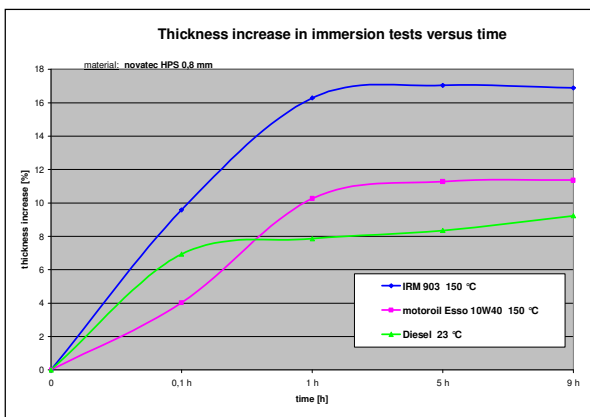
# novatec<sup>®</sup> HPS - Engineered graphite with Kevlar<sup>®</sup>



novatec<sup>®</sup> HPS is synonymous for a high temperature, high performance beater addition product bound with SBR with controlled swell in oils and fuels.

The unique composition of engineered graphite with Kevlar<sup>®</sup> is our proven concept for excellent flexibility and high temperature resistance. Due to the SBR (styrene butadiene rubber) binding system with its controlled swelling properties novatec<sup>®</sup> HPS offers a reliable solution wherever severe demands like flange irregularities, uneven surface pressure and high temperatures are a topic.

Due to its superior qualities this gasket material is universally applicable and now available in rolls in a variety of widths from 150 to 2000 mm and thickness 0.3 to 1.0 mm.



Kevlar<sup>®</sup> is a trademark registered by DuPont.

## Material data

### General Data

Binders	SBR
Colour	black
Anti-Stick	without coating / alternatively with PTFE
Sheet sizes and thickness tolerance	Width: ± 1 mm / Thickness: ± 7 %

### Physical properties

	Standard	Unity	Value *
Gasket thickness 0.8 mm			
Density	DIN 28 090-2	[g/cm <sup>3</sup> ]	1.47
Tensile Strength	DIN 52 910	[N/mm <sup>2</sup> ]	3.5
		[N/mm <sup>2</sup> ]	3
Residual stress $\sigma_{dE/16}$	DIN 52 913	[N/mm <sup>2</sup> ]	45
		[N/mm <sup>2</sup> ]	43
		[N/mm <sup>2</sup> ]	43
Compressibility	ASTM F 36 J	[%]	20
Recovery	ASTM F 36 J	[%]	34
Media resistance	ASTM F 146	[%]	30
ASTM IRM 903	5h / 150 °C		
Weight change		[%]	40
Thickness increase		[%]	20
ASTM Fuel B	5h / 23 °C		
Weight change		[%]	30
Thickness increase		[%]	15

\* = Mode (typical value)

## Applications

- oil pans
- axle bearings
- valve covers
- gearboxes
- gearbox cases

## Product data

- Rolls: 1000 or 2000 mm
- Coils: from 150 to 2000 mm wound on paper coils
- Thicknesses in mm: 0.3 – 1.0 mm
- Further dimensions and thicknesses are available on request

## Quality Management

ISO 9001, ISO/TS 16949

## Environmental Management

ISO 14001

All previous versions of this prospectus cease to apply. Subject to technical amendment.

FZ/08/08:10/001/FZ

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TECHNICAL TEXTILES	
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