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PRODUCT DATASHEET

FLEXICARB SEL

Flexicarb SEL is a high purity graphite used as a filler for spiral wound gaskets and facing for Flexpro (Kammprofile) and MRG Gaskets

The material contains no binders or resin.

SERVICE:

FLEXICARB SEL is suitable for use in general gasket applications and can be used for sealing steam and most chemicals with the exception of oxidising agents.

The materials inherent purity make it particularly suitable in applications where contamination may be a concern.

For more critical applications full material traceability is available on request.

Recommended temperature range:

Oxidising media -200°C to 450°C (-328°F to 842°F)
Inert or reducing media -200°C to 1000°C (-328° to 1830°F)

Maximum recommended pressure: Used up to ASME B16.5 class 2500

Note: For applications sealing inert or reducing media, attention must be given to the possibility of oxidative attack on the gasket from the external environment.

Use with oxidising agents should be avoided.

For long term continuous high temperature use in oxidising environments please consult Flexitallic's Application Engineering department.

AVAILABILITY:

As a filler material for spiral wound gaskets.
As a material facing for Flexpro and MRG Gaskets
0.5 to 1.0mm Thickness.

Certification: Available on request

This Data Sheet refers to the material as supplied. The information contained herein is given in good faith, but no liability will be accepted by the Company in relation to same.

We reserve the right to change the details given on this Data Sheet as additional information is acquired. Customers requiring the latest version of this Data Sheet should contact our Applications Engineering Department.

The information given and, in particular, any parameters, should be used for guidance purposes only. The Company does not give any warranty that the product will be suitable for the use intended by the customer.

Health & Safety

For further Health and Safety information please see the relevant Material Safety Datasheets or contact Flexitallic Ltd.

Physical Property	Unit	Flexicarb SEL
Density	g/cc	1.0
Carbon content	%	≥ 98.0
Ash content	%	≤ 2.0
Total sulfur content	ppm	< 300
Total chloride content	ppm	≤ 25
Total fluoride content	ppm	≤ 10
Weight loss per hour , measured with Leco TGA, 4 hours @ 670°C	% / hour	≤ 3