

## Gasket materials

### Temacarb® Black | FS 30300

**Material:** Temacarb® Black | FS 30300 is a gasket material based on carbon fibers and special additives, which are connected through high-quality NBR-rubber.

**Application:** Temacarb® Black | FS 30300 is used for higher temperature ranges and pressures as well as hot steam and alkaline media.

**Delivery forms:** Temacarb® Black | FS 30300 can be delivered as customized cut or die-cut part. Dimensions and other delivery forms upon customer request.

Property	Test method	Unit	Value
Max. working pressure	-	MPa	10
Max. working temperature Continual Peak	-	°C	250 450
Density	DIN 28 090-2	g/cm <sup>-3</sup>	1.6 – 1.9
Residual stress 16h at 175°C	Din 52 913	MPa	32
Compressibility	ASTM F 36 – J	%	5 – 15
Recovery	ASTM F 36 – J	%	50
Spec. Leakage rate	DIN 3535 – 6	mg/s.m	0.05
ASTM OIL – IRM 903, ČSN ISO 1817 5h at 150°C	ASTM F 146	%	3
ASTM FUEL B - ČSN ISO 1817 5h at 23°C	ASTM F 146	%	5
Flexibility	ASTM F 147	-	No cracks or breaks

Dr. Dietrich Müller GmbH

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**Trademarkinformation:** Temacarb® is a registered trademark of TEMAC, a. s.

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**Please note:**

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and user from own tests and inspections because of the plenty of possible effects. There is no judicial binding assurance of certain properties or of the qualification for a concrete application in our declaration. We recommend consulting us in individual cases. The acceptor of our products has to observe possible industrial property rights as well as present laws by himself.

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Dr. Dietrich Müller GmbH