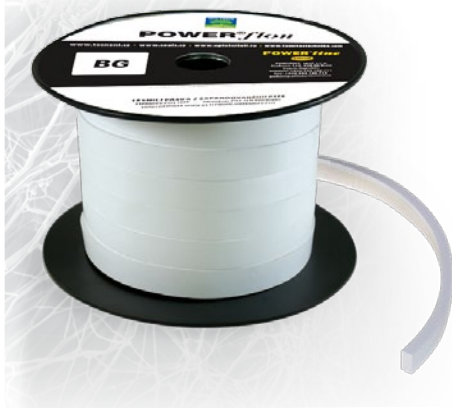


POWER[®]flon BG

Product name:	POWER [®] flon BG	Material data sheet No.:	D – 0085-0-EN	Date:	15.08.2013
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Material properties:

POWER[®]flon BG is a multidirectionally expanded gasket-tape, produced from 100% pure PTFE (Polytetrafluorethylen). The whole production process is subject to strictest quality control, registered under ISO 9001.

POWER[®]flon BG – due to its excellent malleability and adaptability – is particularly well suited to compensate for irregularities or damages on the sealing areas, as well as for all stress-sensitive joints. A special manufacturing process results in almost equal tensile strength in both the longitudinal and cross direction. As a result of this, the material does not change its width under compression. This is in stark contrast to normal expanded PTFE tapes! **POWER[®]flon BG**, because of this property, is extremely well suited as a gasket material for narrow sealing areas and in all applications where a defined gasket width (under load) is required. Typical applications are enamelled and glass flanges, heat exchangers, large flanges and containers, pressure vessels, suction filters and strainers, etc.

Technical data:

Density	0,7 g/cm ³ , +/- 0,1g/cm ³
Thermal stability	from -240°C up to +270°C, for short periods up to 310°C
Chemical resistance	chemically inert against all substances (pH 0-14), including the most aggressive acids and lyes. The only exception are molten alkali metals and elemental fluorine at high temperatures and pressures.
Ageing	POWER[®]flon BG does not age and can be stored indefinitely. (Please note: adhesive tape has a limited shelf life)
Colour	white
Recovery	10 %
Compressibility	70 %
Pressure	from vacuum up to 40 bar
$\sigma_{VU/0,01}$ (DIN 28090)	28,0 MPa (test medium: nitrogen / testing pressure: 40 bar / tightness class: L0,01 < 0,01 mg / sm)
$m_{0,01}$ (DIN 28090)	2,8 (test medium: nitrogen / testing pressure: 40 bar / tightness class: L0,01 < 0,01 mg / sm)
σ_{VO} (DIN 28090)	150 Mpa (at ambient temperature)

Advantages:

- quick and simple installation, no cutting or punching necessary
- the used gasket can be easily removed without leaving any deposits on the sealing areas
- excellent malleability makes the repair of minor damages and irregularities unnecessary
- extremely versatile because of exceptionally good chemical and thermal stability
- there is less danger of choosing the wrong gasket material because **POWER[®]flon BG** can be used for most applications within the plant
- longer gasket life (less downtime)
- no material waste
- low stock cost, unlimited shelf life (note: adhesive strip has endless shelf life)

POWER[®]flon BG is physiologically harmless, tasteless, odourless, does not contaminate and is nontoxic. This pure PTFE-product does not contain asbestos and is also free from any other lung damaging components, will not be influenced by micro-organisms and fungi.

Dimensions:

Width [mm]	Thickness [mm]		
	2,0	3,0	6,0
10	✓	✓	✓
15	✓	✓	✓
20	✓	✓	✓
25	✓	✓	✓
30		✓	✓
35		✓	✓
40		✓	✓
45			✓
50			✓
55			✓
65			✓

coil length on the spool 10 m; 15 m

