

POWER[®]flon 10 BLUE

Product name:	POWER[®]flon 10 BLUE	Material data sheet No.:	D – 0075-0-EN	Date:	02. 03. 2018
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POWER[®]flon 10 BLUE is a structured PTFE - Gasket - Sheet manufactured by a unique process which provides a high level of fibrillation to overcome the creep relaxation and cold flow problems associated with normal (skived or moulded) PTFE sheets. POWER[®]flon 10 BLUE is produced from virgin PTFE resin filled with hollow glass micro spheres.

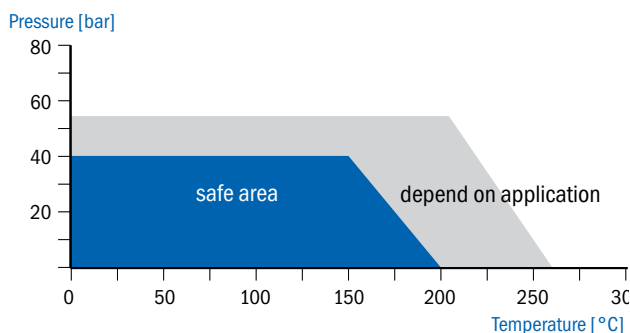
POWER[®]flon 10 BLUE is suitable for service with a wide variety of aggressive fluids, including hydrocarbons, acids and caustics, solvents, water, steam, hydrogen-peroxide, refrigerants, etc. The high compressibility of POWER[®]flon 10 BLUE makes it particularly suitable for use with stress sensitive and/or fragile flanged joints, e.g. glass, ceramics, plastic, etc.

Sheet dimensions: 1500 x 1500 mm
 Thickness: 1,5; 2,0; 3,0 mm
 Colour: blue

TYPICAL PHYSICAL PROPERTIES

Temperature	-268 up to +260 °C	
Maximal pressure	55 bar	
pH range	0 - 14	
P x T max.:	12,000 (bar × °C) based on 3.0 mm sheet thickness	8,600 (bar × °C) based on 1.5 mm sheet thickness
Compressibility @ 350 bar (ASTM F 36 A)	30 %	
Recovery @ 350 bar (ASTM F 36 A)	30 %	
Tensile strenght (ASTM 152)	14 MPa	
Specific gravity (ASTM D 792)	1,70 g/cm ³	
Creep deformation (ASTM F 38)	40 %	
Sealability @ 0,7 bar (ASTM F 37A)	0,12 ml/hr	
Sealability (DIN 3535)	< 0,015 cm ³ /min	

ASTM test are based on 0,8 mm sheet thickness and DIN tests is based 1,5 mm sheet thickness.



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All technical data and recommendations given are based on our experiences. However, we do not undertake any liability whatsoever. All data and values have to be checked by the user, since the effectiveness of a seal can only be judged correctly by evaluating all data and parameters directly on site. The stated parameters are approximate and may be mutually influenced if occurring together. Please contact us in case of difficult or special applications.

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