

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; 1,5; 2; 3; 3,2; 4,8; 6,4 mm (other thicknesses on request)

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.

