CoMeTas Membrane Disc 6mm thickness

CoMeTas Membrane Disc (CMD) is a very flexible-design in silicon carbide (SiC) and can be used in many applications. The CMD is a disc with a maximum diameter of 340 mm. By water jet cutting the CMD can be delivered in any shape and the permeate holes in any size and position. The tightest membranes reject bacteria and other microorganisms.

Products and Guidelines

Model	Force peak*	Stress peak**	Hardness	Maximum diameter	Thickness
	N	N/mm^2	kg/mm^2	mm	mm
CMD	700	43	65	300	6

* Breaking strength
** Ultimative stress

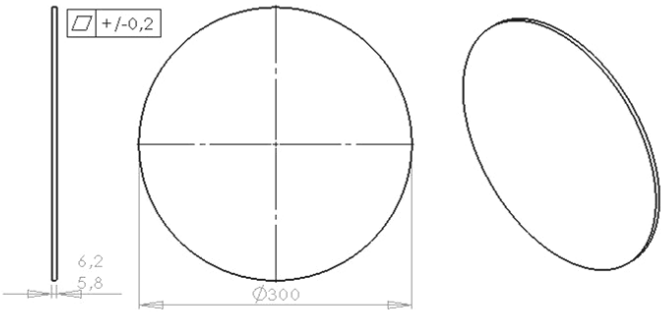
Nominal Pore size in membranes		MWCO
40 nm	0.04 micron	100 kD
100 nm	0.1 micron	200 kD
1000 nm	1 micron	N.A
10000 nm	10 micron	N.A

Element

Membrane material:	Silicon carbide (SiC)
Substrate material:	Silicon carbide (SiC)
Substrate pore size:	10 micron
Temperature tolerance:	Up to 800˚C
Maximum pressure:	Depends on application and shape

Application Data

Operating pressure:	Max 10 bar; normally less than 5 bar
Maximum operating temperature:	Determined by system components
Maximum chlorine concentration:	Unlimited
pH tolerance:	0 – 14
Cleaning:	Chlorine, acid, caustic, solvents
Maximum negative TMP:	3 bar



Notice: Elements are delivered dry. Handle with care since the material is brittle. CoMeTas believes the information and data contained herein to be accurate and useful. The information and data are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. CoMeTas assumes no liability for results obtained or damages incurred through the application of the presented information and data. It is the user's responsibility to determine the appropriateness of CoMeTas' products for the user's specific end uses. Specifications are subject to change without notice. N 01/25/10

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