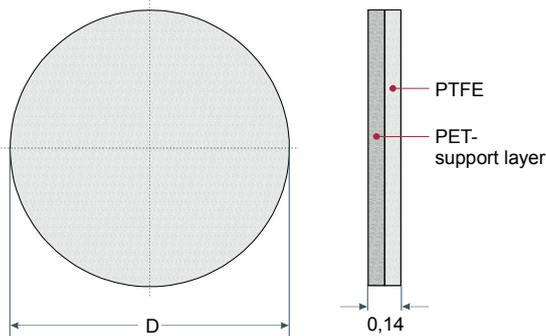


Permeaflon[®] M100WL

Venting Membrane



Reliable protection against pressure variations and water ingress

In the interior of hermetic housings, in containers, headlights or batteries, changes in temperature or differences in height cause substantial variations in internal pressure.

Permeaflon pressure compensation units (PCUs) from Berghof compensate for differences in pressure and prevent penetration by water, dust, grime and even oils. The pressure compensation units therefore guarantee the reliable functioning of components throughout their long life cycle.

Physical and Technical Specifications | Membrane

Reference thickness	0.14 mm
Material	Permeaflon[®] Polytetrafluorethylene (PTFE) Polyethylenterephthalate (PET) backing fabric (non-woven) Hydrophobic Oleophobic (optional) Free of PFOA and PFOS
Colour	White / natural
IP protection class	IP67, IP68 (higher protection classes dependent on design of housing)
Typical water entry pressure (RT)	> 1.0 bar
Typical airflow rate (RT) $\Delta p = 70 \text{ mbar (1.0 psi)}$	> 65 L/h·cm ²
Thermal resistance	-40 to +125 °C
Physiological properties	Physiologically insignificant At temperatures of > 400°C gaseous by-products from thermal decomposition which are harmful to health must be reckoned with.
Storage	May be stored indefinitely at room temperature with protection provided against damp and UV radiation.

Physical and Technical Specifications Membrane				
Chemical stability		resistant	limited resistance	volatile
	Mineral lubricants	x		
	Aliphatic hydrocarbons	x		
	Aromatic hydrocarbons		x	
	Benzine	x		
	Weak mineral acids	x		
	Strong mineral acids		x	
	Weak organic acids	x		
	Strong organic acids			x
	Oxidising acids			x
	Weak alkalis		x	
	Strong alkalis			x
	Trichlorethylene		x	
	Perchlorethylene	x		
	Acetone		x	
	Alcohols	x		
	UV light and atmospheric conditions		x	
Processing information	Observe predefined direction of installation. Can be welded to various plastics by thermal and ultrasonic means. Weldability should be tested in each instance.			
Conformity	Directive 2002/95/EC on restricting the use of certain hazardous substances in electrical and electronic equipment (RoHS) Directives 2003/11/EC and 2005/618/EC regarding restrictions on the marketing and use of certain dangerous substances and preparations (pentabromodiphenyl ether, octabromodiphenyl ether)			
Supplied as	Tape (with a width up to max. 270 mm) Stamped parts Our highly qualified staff will be pleased to help you in developing user-specific ventilation and extraction solutions. Please contact us with your requirements.			

Note: Guide values are given in this data print-out that have been compiled on the basis of current experience and knowledge. These values may be influenced by processing conditions, modifications, additives and environmental conditions and do not release users from the obligation to carry out their own checks and trials. A legally binding guarantee of particular properties or suitability for a concrete purpose cannot be derived from our information.