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## Perme Cup (Water Vapor Permeability)

Perme cups are used to determine the permeability of films to the vapor of water and other liquids. Materials that are tested include paint, varnish, thin plastic films and other types of sheets thin enough to be tightly sealed in place across the face of the cup. Permeability is expressed as the weight of a vaporous material that passes through a specified area and thickness of free film within a specified time interval under controlled conditions. These Perme Cup is made up of three basic parts, each machined from the highest grade anodized aluminum. The cup top surface, as well as both surfaces of the clamp ring are smoothly finished to provide a tight seal against the product under test. Two gaskets with the same dimensions as the clamp ring, except for thickness, are furnished for use with rough or uneven materials to insure complete sealing. Extending upward from the face of the cup are two stainless steel pins which closely engage the clamp ring, and any gaskets used, to prevent movement with respect to the test material as the cap is tightened against the cup. The cap design permits use of longer pins than possible with earlier models to accommodate thicker sample and gasket combinations. Perme Cup is designed to be in complete compliance with ISO 7783-2018 and ASTM D 1653.

### ORDERING INFORMATION :

BGD 340/1 --- Perme Cup (10cm<sup>2</sup>)

BGD 340/2 --- Perme Cup (25cm<sup>2</sup>)