



Thwing-Albert Instrument Company

More Than a Century of Testing Solutions

Vapometer Fuel Permeability Cups

SAE J2665 (Fuel Permeability)

The standard Vapometer is used for determining the water vapor permeability of sheet materials such as specialty paper grades, polyethylene, building material, leather, weatherproof clothing, vinyl, foil and laminates. This property is essential in determining if a material is moisture proof or has the ability to protect contents from the transmission of water vapor.

The Water Vapor Permeability Cups are available in a wide range of sizes for mechanical and wax sealing. They can be used at any temperature or relative humidity to ensure product performance across different conditions.

Depending on the end use, water or a dessicant is placed in the base of the container. The specimen is then quickly sealed and placed in a test chamber that controls the atmosphere. Vapor loss or gain is measured by recording the weight of the sample at different intervals over a period of time.

Model 68-3014 Vapometer for SAE J2665 (Fuel Perm)

Thwing-Albert offers a Vapometer package to meet the industry standard SAE J2665.

Test Procedure to Measure the Fuel Permeability of Materials by the Cup Weight Loss Method. The standard covers the procedure for measuring the permeation of fuel or fuel surrogates through test samples of elastomeric, plastic or composite materials, up to 3mm thick.

Standard permeation test temperatures are 40° C and 60° C. Standard test fluids are Fuel C, Fuel CE10, and Fuel CM15.



The SAE J2665 Vapometer
Model 68-3014



The Model 68-3014 Vapometer Cup for SAE J2665 includes the following:

- 1 EZ Cup Vapometer Model 68-3000 with 2.5" Inside Diameter X 2" Deep
- 1 gasket 3" Outside Diameter, 2.5" Inside Diameter x .031" Thick
- 1 gasket 3" Outside Diameter, 2.5" Inside Diameter x .062" Thick
- Qty 1 Wire Mesh Screen
- Qty 1 Teflon Top Ring

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