

SPS/Vsorp Accessories Permeability Kits for 5 or 11 samples



Gravimetric determination of the water vapour permeability of a foil/film with the SPS and Vsorp instruments.

The Permeability Kit works according to the EN ISO 7783-1 part 1: "Dish method for free films".

The amount of water vapour transmitted through a foil/film with a given surface area and given difference in partial water vapour pressure is determined by frequent weighing over a specified period of time.

Technical data

Number of samples

5 samples/11 samples

Surface area

3500 mm²/2273 mm² per sample

Smallest detectable transmission rate

0.05 g/(m² day)

Accuracy

within smallest detectable transmission rate
ca. 1 mm (depending on material properties)

Max foil thickness

Dimensions sample dish

outside diameter 80 mm/67 mm
inside diameter 66.8 mm/53.8 mm
height 22 mm/23 mm

Content of the Permeability Kit

sample tray for 6/12 sample positions
5/11 coated sample dishes
1 reference

drying agent: molecular sieve 3 Å, 1.6-2.5 mm, 250g

toolkit: scalpel, PTFE paste for metallic foils

Compatibility

the Permeability Kits can be used with the following DVS instruments:

SPS11-10μ, SPSx-1μ-High-Load

Vsorp Basic, Plus and Enhanced

