

JIS

JAPANESE INDUSTRIAL STANDARD

**Method of Water Permeability
Test for Packing Material**

JIS Z 0221 —1976

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JAPANESE INDUSTRIAL STANDARD

J I S

Method of Water Permeability Test
for Packing MaterialZ 0221-1976
(Reaffirmed: 1984)1. Scope

This Japanese Industrial Standard specifies the method of water permeability (¹) test for packing material for the purpose of water proofing.

Note (¹) The water permeability is expressed by the time required for passing of water to another surface (the water herein means the water of vapor phase and liquid phase) when one surface of membranous substance touches water, and measured by the fact that the water having passed through the membranous substance gives the change of colour to the indicator composed of the mixture of powdery sugar and dye.

2. Devices and Apparatus

2.1 Powder Scatter Device The opened mouth of the glass tube, of which one side mouth of about 10 ml in capacity and about 15 mm in outside diameter is closed, hereinafter, referred to as the "tube" is covered with a wire gauge of 177 μ m or 210 μ m in standard wire sieve of JIS Z 8801. The part protruded from the circumference of mouth is folded and fixed to the tube by binding its outside with a thin string (refer to Fig. 1).

Applicable Standards:

JIS K 4302-Methyl violet

JIS K 8383-Saccharose

JIS P 8110-Method for Sampling Paper for Testing

JIS P 8111-Conditioning of Paper and Paperboard for Test

JIS Z 0208-Testing Methods for Determination of the Water Vapour
Transmission Rate of Moisture-Proof Packaging materials
(Dish Method)

JIS Z 0221-Method of Water Permeability Test for Packing Material

JIS Z 8801-Test Sieves