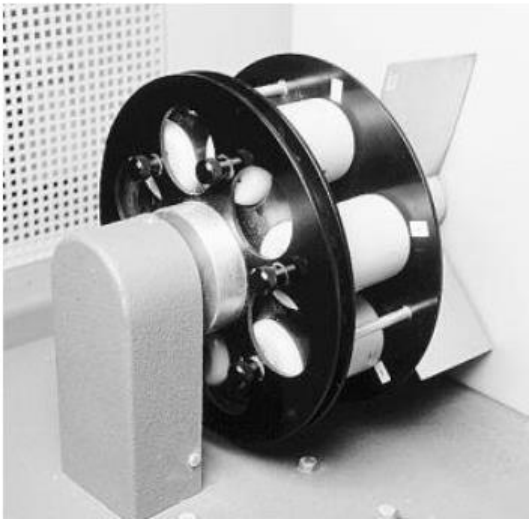
Test Method: SATRA TM172

RESOTECH WATER VAPOUR PERMEABILITY TESTER

MODEL NO. RESOTECH SCH-025



This Device Determines The Amount Of Water Vapour A Material Will Transmit Through Its Structure In A Specified Time. The Test Is Mainly Applicable To Leathers And Textiles Used In Footwear UppersAnd Clothing Where It Gives A Measure Of The Ability To Remove Perspiration From The Surface OfThe Wearer's Skin.
The RESOTECH Machine Has Six Separate Test Stations On A Rotary Table And Each One Has A Sample Holder. Silica Gel Desiccant Is Placed In The Holder And The Test Material Is Placed Over The NeckOf The Holder And Secured By A Screw Top. After Weighing Each Holder, Complete With Silica GelAnd Sample Material, The Holders Are Placed And Locked Into The Rotary Mechanism. After 7-8 Hours The Complete Holder Is Weighed Again And The Gain Is Used To Determine The Degree Of Permeability. It Is Essential That The Entire Operation Is Carried Out In A Conditioned Atmosphere.

Application

Water Vapor Permeability Testing For Plastic Films, Laminated Films, Sheets, Solar Energy Back Sheets, High Barrier Materials, Foils, OLED, Water-Proof Membranes And Bottles, Pouches, Jars, Boxes Made Of Plastic, Rubber, Paper, Glass And Metal As Well As Medical Devices, Etc.

Features:

- Automatic Test, Use Friendly And Improved Test Efficiency.
- Adoptability To Add-On Chambers (Max. 12) To Perform Independent Testing Of Different Samples Simultaneously.
- High-Precision Sensors With Over-Range Protection.
- Automatic Temperature And Humidity Control For Each Chambers;
- Real Time Display Of Test Results And Related Curves.
- Equivalent Accuracy And Precision To Test Performed With Infrared And Coulometric Method.

Specification

MODEL	RESOTECH SCH-025
TEMPEREATURE RANGE	120^{0}C
BLADES	3 FLAT BLADES
BLADES DIMENSION	90mm X75mm
No. of jars	6
Power supply	1ϕAC 220V 50/60HZ 3A
Standards	BS EN ISO 20344, SATRA TM 172, TM 23, BS 3144 : Method 24, DIN 53333, IUP 15, SLP 25. BS EN 420 : 2003, ISO 14268, ISO 17699