

## Technical Data Sheet 物性表

|                                   |  |
|-----------------------------------|--|
| <b>PRODUCT NAME 产品名称:</b>         | Packaging Vent Membrane<br>包装类防水透气膜                        |
| <b>PRODUCT MODEL 产品型号:</b>        | XINXIA-E20W-NF   |
| <b>PRODUCT DESCRIPTION 产品描述:</b>  | e-PTFE Hydrophobic breathable membrane<br>聚四氟乙烯防水透气膜       |
| <b>APPLICATION FIELD 应用领域:</b>    | Food Packaging<br>食品包装应用                                   |
| <b>APPLICATION PRODUCTS 应用产品:</b> | Coffee, Albumen powder, Biscuit, Pickle<br>咖啡, 蛋白粉, 饼干, 泡菜 |

### Membrane Properties 膜特性:

| PHYSICAL PROPERTIES<br>物理特性                               | TEST METHOD<br>测试方法     | UNIT<br>单位                    | TYPICAL DATA<br>典型值                 |
|---|-------------------------|-------------------------------|-------------------------------------|
| Membrane Color<br>膜颜色                                     | /                       | /                             | White<br>白                          |
| Membrane Construction<br>膜层结构                             | /                       | /                             | PTFE / PO non-woven<br>聚四氟乙烯/聚烯烃无纺布 |
| Membrane Surface Property<br>膜表面特性                        | /                       | /                             | Oleophobic/Hydrophobic<br>疏油/疏水     |
| Thickness<br>厚度   | ISO 534                 | mm                            | 0.20±0.05                           |
| Pore Size<br>孔径   | Internal Method<br>内控方法 | um                            | 0.45                                |
| Interlayer Bonding Strength<br>(90 degree peel)<br>层间结合强度 | Internal Method<br>内控方法 | N/inch                        | >2                                  |
| Min Air Flow Rate<br>最小透气量                                | ASTM D737               | ml/min/cm <sup>2</sup> @ 7Kpa | >1600                               |
| Typical Air Flow Rate<br>典型透气量                            | ASTM D737               | ml/min/cm <sup>2</sup> @ 7Kpa | 3000                                |
| Water Entry Pressure<br>耐静水压                              | ASTM D751               | KPa for 30 sec                | >80                                 |
| Moisture Permeability<br>透湿性                              | ASTM E96                | g/m <sup>2</sup> /24h         | >5000                               |
| Oleophobic Grade<br>疏油等级                                  | AATCC 118               | Grade                         | NA                                  |

|                                 |                     |   |  |
|---------------------------------|---------------------|---|--|
| Operation Temperature<br>服务温度   | IEC 60068-2-14      | C | -40C ~ 100C                            |
| ROHS<br>有害物质                    | IEC 62321           | / | Meet ROHS Requirements<br>(符合 ROHS 要求) |
| USA FDA Requirement<br>美国食品接触要求 | FDA 21 cfr 177.1550 | / | Meet FDA Requirements<br>(符合 FDA 要求)   |
| EU Food Requirement<br>欧盟食品接触要求 | ( EU ) No 10/2011   | / | Meet EU Requirements<br>(符合欧盟要求)       |

**Application 应用:**

This series of membranes are suitable for food packaging applications. It can be used in packaging containers for food such as albumen powder, biscuit, pickle, etc. It could equalize the pressure differentials of packaging containers which caused by temperature difference, altitude changes and releasing gases, in order to prevent container deformation and contents leakage. 该系列防水透气膜适用于食品应用，可用于蛋白粉、饼干、泡菜等食品容器的包装。可平衡包装容器因温差、海拔变化和气体释放而产生的压差，防止容器变形和内容物泄漏。

**Shelf Life 保质期:**

Shelf life is two years from the date of receipt for this product as long as this product is stored in its original packaging in an environment below 80° F (27°C) and 60% RH. 本产品以原包装保存在低于 80°F(27°C)和 60%相对湿度的条件下，自收货之日起，保质期为两年。

**Note 注意:**

All data above are typical data for the membrane raw material, for reference only, and should not be used as special data for outgoing quality control. 以上数据均为防水透气膜典型数据，仅供参考，不作为出厂质量控制的具体数据。

All technical information and advice given here is based on Kunshan xinxia's previous experiences and test results.

Kunshan xinxia gives this information to the best of its knowledge, but assumes no legal responsibility.

Customers are asked to check the suitability and usability in the specific application since the performance of the product can only be judged when all necessary operating data are available. 所有技术信息和建议都是基于昆山新夏公司以前的经验和测试结果。昆山新夏公司尽其所知提供此信息，不承担任何法律责任。客户应验证其具体应用的适用性和可用性，只有当所有必要的运行数据都可用时，才能判断产品的性能。