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## **PSA6000 FILTER TAPE – OVERVIEW/DATA SHEET**

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**Description** – a breathable self adhesive tape commonly used to seal the ends of multi wall polycarbonate sheeting minimising the ingress of dust, debris and insects whilst allowing the escape of moisture vapour.

**Construction** – 6000 has a high performance adhesive system offering high tack, high adhesion and excellent elevated temperature performance. Therein is an industry approved adhesive providing UV stability and water resistance. By nature the fabric surface is water repellent and possesses excellent breathability over its open surface area. The material has been manufactured from FDA approved materials and is suitable for extended skin contact.

### **Adhesive Information**

#### **Adhesion**

Peel resistance (tested to steel)      1200 N/M  
Loop Tack      1700 M/M  
Shear > 50 hours @ 1kg

#### **Temperature range**

-5°C to 110°C – continuous  
-10°C to 120°C – short term

**Filtration information** \*\* results taken from British Board of Agrément Test Report No: 2534

#### **Tensile strength and elongation**

45mm test width  
Max Load      179.21 (N 50mm) – mean result \*\*  
Strain at max load      41.05 % - mean result \*\*

#### **Water vapour transmission**

**Tested to BS 3177: 1959 (1995)**      mean permeability 4474 (gm<sup>2</sup>24h) \*\*

#### **Thermal shock / condensation**

In accordance with MOAT 48 : 1991

This test procedure is intended to replicate the ability of the filter tape to resist the passage of water and therefore the formation of condensation within the cavities of the polycarbonate under wet/heat cycling conditions

Cycle 0-25    no leaks or condensation \*\*

Cycle 25-50    no leaks or condensation \*\*

#### **Resistance to penetration by particulates**

Filter cut point      45 microns (rounded up to the nearest 5mic) \*\*

The above information is given in good faith and for guidance only. The user shall be responsible for determining that the performance of the product is sufficient for his application. The quoted values are based on averages and should not be taken as maximum or minimum values for specific purposes.

## **Health & Safety Guide for PSA6000**

### **General**

Self adhesive products are generally considered to be safe and inert.

### **Composition**

Polyester/Polypropylene, Acrylic Adhesive, Hot Melt Adhesive. Tissue and Release liner  
No Hazardous components

**Labelling** – no mandatory labelling is required.

**Health** – Under normal conditions of use and handling no hazards are anticipated but good hygiene should always be observed. No special protection is required. If skin irritation occurs as a result of handling, wash affected areas with soap and water and wear protective clothing to avoid future contact.

### **Fire Fighting Measures**

Fire extinguishing media – Foam, dry chemical, or water.

### **Handling and Storage**

Store at room temperature

### **Physical and Chemical Properties**

Physical state: Solid

### **Stability and Reactivity**

Stability: Stable

### **Toxicological Information**

N/A

### **Transport Information**

No special handling required