

## **87240 Tyvek® 1622 E**

### **DuPont™ Tyvek®, Textile packaging for Museums and Art Galleries The ideal material for the protection of your objects.**

In long-term storage, packaging made of DuPont™ Tyvek® proves its resistance again and again. Durable, extremely abrasion, puncture and tear resistant, Tyvek® can be used with much versatility, as an interim layer, wrapping or dust protection for transportation or archiving.

#### **What is Tyvek®?**

Tyvek® is a unique material from DuPont made of pure polyethylene fibres, and forms a remarkable tough protective yet breathable substrate. Tyvek® contains no binders, fillers or colouring agents.

#### **Features of Tyvek®:**

- Extremely tough yet light
- Protective
- Water and moisture resistant
- Breathable
- Lint and contamination free
- Flexible
- Very soft and smooth, no damage to delicate surfaces
- Can be processed, cut sewn, washed, welded, etc...

#### **As well as:**

- Easy handling (available in small rolls, tags, labels and envelopes)
- Naturally bright white
- Recyclable

#### **What is Tyvek®?**

- Tyvek® ensures your artwork is safely protected during transportation or storage.
- Tyvek® is environmentally friendly. It saves weight, storage space and costs.
- Do not take unnecessary risks;
- ensure your valuable objects are appropriately protected with Tyvek®

**PRODUCT SPECIFICATION**

FEATURES:  
CUSTOMER END-USE / MARKET:

**ANTISTATED, MICROPERFORATED  
INDUSTRIAL GARMENTS**

PRODUCT:  
STYLE/NOMINAL BASIS WT.:  
MERGE:  
PRODUCT UNIT:  
EFFECTIVE DATE:  
USE EXCEPTION:

**TYVEK®  
L 1622E 41.5 g/m<sup>2</sup>  
15121  
MILL ROLL  
December 2004**

| PROPERTY                                 | UNIT             | NOMINAL | OBSERVED              |       | TEST METHOD |                                       |
|--|------------------|---------|-----------------------|-------|-------------|---------------------------------------|
|  |                  |         | VALUES (99.7 % Range) |       |             |                                       |
|  |                  |         | Low                   | High  | DuPont      | Comparable                            |
| Unit weight                              | g/m <sup>2</sup> | 41.5    | 39.0                  | 44.0  |             | DIN EN ISO 536 (96) <sup>1)</sup>     |
| Thickness                                | µm               | 145     | 80                    | 215   |             | DIN EN 24534 (93) <sup>2)</sup>       |
| Tensile (MD)                             | N/5cm            | 82      | 68                    | 96    |             | DIN EN ISO I3934-I (99) <sup>3)</sup> |
| Tensile {XD}                             | N/5cm            | 72      | 55                    | 90    |             | DIN EN ISO 13934-I (99) <sup>3)</sup> |
| Tear resistance (MD)                     | N                | 20.0    | 13.0                  | 26.0  |             | DIN EN ISO 9f173-4 (97) <sup>3)</sup> |
| Tear resistance (XD)                     | N                | 15.5    | 11.5                  | 19.5  |             | DIN EN ISO 9073-4 (97) <sup>3)</sup>  |
| Mullenburst                              | kPa              | 315     | 250                   | 380   |             | ISO 2758 (01)                         |
| Surface stability<br>Crockmeter (S side) | Strokes          | -       | 3                     |       | SP-QA-911   | AATCC TM8                             |
| Surface stability<br>Crockmeter (R side) | Strokes          | -       | 4                     |       | SP-QA-911   | AATCC TM8                             |
| Surface resistivity<br>(rough side)      | 1og10(r)         | 9.80    | 9.10                  | 10.50 |             | EN 1149-1 <sup>3)4)</sup>             |
| Surface resistivity<br>(smooth side)     | 1og14(r)         | 9.85    | 8.95                  | 10.75 |             | EN 1149-1 <sup>3)4)</sup>             |

**NOMENCLATURE:**

- 1) Sample size 100 cm<sup>2</sup>
- 2) Surface 2 cm<sup>2</sup>, pressure 100kPa
- 3) Modified for conditioning
- 4) 23°C, 25% rH

## INTERPRETATION

The product characteristics and properties given in this Product Specification were determined by relevant test methods through statistical sampling of the product following its manufacture. Mill rolls are sampled uniformly across their width (Usually 12 samples/mill roll) to calculate the roll average. Observed value ranges are estimates only .for 99.7% of the product based upon roll averages, except for thickness, which is based on individual measuring points. Test method variance (equipment, analyses, ...) is included in the observed values. Other sampling plans and test methods might give different values.

## DEFINITIONS

|                   |  |
|-------------------|--|
| FEATURES:         | Typical description of product characteristics.  |
| CUSTOMER END-USE: | A generic term for the principal process for which a product is suited.  |
| MARKET:           | A generic term for an ultimate utilization of a product in consumer goods.   |
| USE EXCEPTION:    | A rejected use; a limitation on the utility of a product in some category, phase or aspect within the established customer-use(s) or end-use(s). |
| STYLE, MERGE:     | Product designations.  |
| PRODUCT UNIT:     | The single quantity or unit of finished product to which nominal and range apply.  |
| NOMINAL:          | The intended numerical value of a property to be achieved by the production process, for every product unit made.                                |
| OBSERVED VALUE:   | A particular value of a test result.   |
| TEST METHOD:      | A specific set of apparatus, materials and protocols to produce one test result.   |

DuPont is committed to continuously improve its products. Therefore, this Product Specification may be subject to revision by DuPont from time to time. DuPont shall do its best endeavours to communicate such a revision taking place, but it shall be your sole responsibility to have information on any changes of this product specification and to obtain any revised versions.

For a revised version, please contact your Regional DuPont Representative.

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TYYEK® L 1622E melts at 135° C. It is therefore not heat resistant and not fire resistant.

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