**Polyimide Film with FEP Adhesive #6251**



Standard No.: Q/12YJ4214-2023

**Application:**

This product is the tape with ground of polyimide film manufactured by “casting process”, single surface or double surfaces covered with glue F46, and processed after drying and cutting. The tape is applicable for acting as grade H insulating material of electrical wire lapping. It takes into its shape through melting at 350-380 ℃ over ten minutes.

**I.Technological requirement:**

1. Appearance: The tape is dry, smooth as well as free from any bubble or impurity, etc. 2. Dimension:

1). Length: The length of every roll is not less than 300 m and the number of splices is no more than 4.

2). Width and tolerance : 10mm ±0.5mm, 15mm ±0.5mm, 20mm ±1mm, and 25mm ±1mm. Tape with other width can be offered according to the requirements of customers.

3). thickness and tolerance : thickness range from 0.03mm~0.05mm; tolerance: ±0.005 mm, or we can supplied according to the requirements of customers.

3. Performances

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| NO | Index Description | | Unit | Index Value（TY6251） | | |
| 0.033mm | 0.038mm | 0.050mm |
| 1 | Thickness and tolerance | | mm | ±0.005 | ±0.005 | ±0.005 |
| 2 | Tensile | | Mpa | ≥78 | ≥78 | ≥78 |
| 3 | Elongation | | % | ≥30 | ≥30 | ≥30 |
| 4 | Peeling | （double Sides）  tape to tape  tape to copper  （single Side）  tape to base  tape to copper | N/10mm | ≥3.5  ≥3.5  ≥3.5  ≥3.5 | ≥3.5  ≥3.5  ≥3.5  ≥3.5 | ≥3.5  ≥3.5  ≥3.5  ≥3.5 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 5 | Dielectric strength | MV/m | ≥90 | ≥90 | ≥90 |
| 6 | \*Surface resistivity | Ω | ≥1.0×1012 | ≥1.0×1012 | ≥1.0×1012 |
| 7 | \*Volume resistivity | Ω•m | ≥1.0×1013 | ≥1.0×1013 | ≥1.0×1013 |

**II Package, mark, storage and transportation**

1.The adhesive material should be wound in a core of inside diameter 40mm and put it in a plastic bag and sealed and put it in a clean and dry carton.

2.There should a certificate in the box and with a mark of product name, spec, batch number, net weight, gross weight, date of production, company's name and words of ''dampproof' and 'anti shock'etc.

3.The storage period is half a year from the date of production. The material will be tested again if the storage period is over half a year. The material still can be used if test values are ok.

4.The material should be stored in dry, clean and ventilated warehouse.

5.When in transportation, the material should be protected from light, dampproof.