

# JIS

**JAPANESE INDUSTRIAL STANDARD**

**Polyvinylchloride coated fabric**

Ⓔ **JIS K 6772**—1994

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**In the event of any doubt arising,  
the original Standard in Japanese is to be final authority.**



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Polyvinylchloride coated fabric

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1. Scope This Japanese Industrial Standard specifies polyvinylchloride coated fabric (hereafter referred to as "fabrics").

Remarks 1. The standards cited in this Standard are as follows.

- JIS B 7503 Dial gauges
- JIS B 7721 Tensile testing machines
- JIS B 7751 Light-exposure and light-and-water-exposure apparatus (enclosed carbon-arc type)
- JIS K 1501 Methanol
- JIS K 8150 Sodium chloride
- JIS K 8355 Acetic acid
- JIS K 9019 Disodium hydrogenphosphate 12-water
- JIS L 0801 General principles of testing methods for colour fastness
- JIS L 0803 Standard adjacent fabrics for staining of colour fastness test
- JIS L 0823 Apparatus for testing of colour fastness to rubbing
- JIS L 0849 Testing method for colour fastness to rubbing
- JIS Z 8401 Rules for rounding off of numerical values

2. The units and numerical values given in { } in this Standard are based on the traditional units, and are informative reference values.

2. Classification The fabrics shall be classified according to the base cloth to be coated and to the existence of foaming in coated film, and classification shall be as shown in Table 1.

2  
K 6772-1994

Table 1. Classification

| Class   |       | Type of base cloth | Coated film | Class   |       | Type of base cloth        | Coated film |        |
|---------|-------|--------------------|-------------|---------|-------|---------------------------|-------------|--------|
| Class 1 | No. 1 | Twill weave        | Non-foamed  | Class 3 | No. 1 | Interlock stitch knitting | Non-foamed  |        |
|         | No. 2 |                    |             |         | No. 2 |                           | Foamed      |        |
|         | No. 3 |                    | Foamed      | Class 4 | No. 1 | Ordinary knitting         | Non-foamed  |        |
|         | No. 4 |                    |             |         | No. 2 |                           |             |        |
| Class 2 | No. 1 | Plain weave        | Non-foamed  |         | No. 3 |                           |             | Foamed |
|         | No. 2 |                    |             |         | No. 4 |                           |             |        |
|         | No. 3 |                    | Foamed      |         |       |                           |             |        |
|         | No. 4 |                    |             |         |       |                           |             |        |

Remarks: Class 1, Class 2, and Class 4 are respectively subclassified into No. 1, No. 2, No. 3, and No. 4 in accordance with the degree of strength given at tensile test, tearing test, and peeling test, and with the existence of foaming; and Class 3 is subclassified into No. 1 and No. 2 in accordance with the existence of foaming in coated film.

3. Properties The properties of fabrics shall comply with the requirements in Table 2 when being tested according to 7.

Table 2. Properties

| Items                     | Test                 | Classification        |                       |                       |                       |                       |                       |                       |                      |                       |                       |                       |                      | Appli-<br>cable<br>test<br>clause |                      |       |       |       |
|---------------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------------------|----------------------|-------|-------|-------|
|                           |                      | Class 1               |                       |                       |                       | Class 2               |                       |                       |                      | Class 3               |                       |                       |                      |                                   | Class 4              |       |       |       |
|                           |                      | No. 1                 | No. 2                 | No. 3                 | No. 4                 | No. 1                 | No. 2                 | No. 3                 | No. 4                | No. 1                 | No. 2                 | No. 3                 | No. 4                |                                   | No. 1                | No. 2 | No. 3 | No. 4 |
| Tensile<br>load<br>N{kgf} | Ten-<br>sile<br>test | 392<br>{40}<br>min.   | 245<br>{25}<br>min.   | 392<br>{40}<br>min.   | 245<br>{25}<br>min.   | 196<br>{20}<br>min.   | 127<br>{13}<br>min.   | 196<br>{20}<br>min.   | 127<br>{13}<br>min.  | 147<br>{15}<br>min.   | 127<br>{13}<br>min.   | 98<br>{10}<br>min.    | 69<br>{7}<br>min.    | 78<br>{8}<br>min.                 | 39<br>{6}<br>min.    | 7.4   |       |       |
|                           | Trans-<br>verse      | 265<br>{27}<br>min.   | 167<br>{17}<br>min.   | 265<br>{27}<br>min.   | 167<br>{17}<br>min.   | 147<br>{15}<br>min.   | 98<br>{10}<br>min.    | 127<br>{13}<br>min.   | 98<br>{10}<br>min.   | 78<br>{8}<br>min.     | 69<br>{7}<br>min.     | 59<br>{6}<br>min.     | 49<br>{5}<br>min.    | 49<br>{5}<br>min.                 | 39<br>{4}<br>min.    |       |       |       |
| Elonga-<br>tion<br>%      | Longi-<br>tudinal    | 8<br>min.             | 5<br>min.             | 8<br>min.             | 5<br>min.             | 6<br>min.             | 4<br>min.             | 5<br>min.             | 4<br>min.            | 20<br>min.            | 20<br>min.            | 20<br>min.            | 16<br>min.           | 20<br>min.                        | 20<br>min.           | 7.5   |       |       |
|                           | Trans-<br>verse      | 13<br>min.            | 10<br>min.            | 13<br>min.            | 10<br>min.            | 13<br>min.            | 10<br>min.            | 12<br>min.            | 10<br>min.           | 90<br>min.            | 100<br>min.           | 70<br>min.            | 60<br>min.           | 90<br>min.                        | 80<br>min.           |       |       |       |
| Tearing<br>load<br>N{kgf} | Longi-<br>tudinal    | 19.6<br>{2.0}<br>min. | 12.7<br>{1.3}<br>min. | 19.6<br>{2.0}<br>min. | 12.7<br>{1.3}<br>min. | 7.8<br>{0.8}<br>min.  | 6.9<br>{0.7}<br>min.  | 7.8<br>{0.8}<br>min.  | 6.9<br>{0.7}<br>min. | 9.8<br>{1.0}<br>min.  | 9.8<br>{1.0}<br>min.  | 5.9<br>{0.6}<br>min.  | 4.9<br>{0.5}<br>min. | 5.9<br>{0.6}<br>min.              | 4.9<br>{0.5}<br>min. | 7.6   |       |       |
|                           | Trans-<br>verse      | 19.6<br>{2.0}<br>min. | 12.7<br>{1.3}<br>min. | 19.6<br>{2.0}<br>min. | 12.7<br>{1.3}<br>min. | 7.8<br>{0.8}<br>min.  | 6.9<br>{0.7}<br>min.  | 7.8<br>{0.8}<br>min.  | 6.9<br>{0.7}<br>min. | 9.8<br>{1.0}<br>min.  | 9.8<br>{1.0}<br>min.  | 5.9<br>{0.6}<br>min.  | 4.9<br>{0.5}<br>min. | 5.9<br>{0.6}<br>min.              | 4.9<br>{0.5}<br>min. |       |       |       |
| Peeling<br>load<br>N{kgf} | Longi-<br>tudinal    | 17.7<br>{1.8}<br>min. | 14.7<br>{1.5}<br>min. | 14.7<br>{1.5}<br>min. | 11.8<br>{1.2}<br>min. | 14.7<br>{1.5}<br>min. | 11.8<br>{1.2}<br>min. | 11.8<br>{1.2}<br>min. | 8.8<br>{0.9}<br>min. | 14.7<br>{1.5}<br>min. | 11.8<br>{1.2}<br>min. | 11.8<br>{1.2}<br>min. | 9.8<br>{1.0}<br>min. | 8.8<br>{0.9}<br>min.              | 6.9<br>{0.7}<br>min. | 7.6   |       |       |
|                           | Trans-<br>verse      | 17.7<br>{1.8}<br>min. | 14.7<br>{1.5}<br>min. | 14.7<br>{1.5}<br>min. | 11.8<br>{1.2}<br>min. | 14.7<br>{1.5}<br>min. | 11.8<br>{1.2}<br>min. | 11.8<br>{1.2}<br>min. | 8.8<br>{0.9}<br>min. | 14.7<br>{1.5}<br>min. | 11.8<br>{1.2}<br>min. | 11.8<br>{1.2}<br>min. | 9.8<br>{1.0}<br>min. | 8.8<br>{0.9}<br>min.              | 6.9<br>{0.7}<br>min. |       |       |       |