



## HANYU CABLE MATERIALS CO., LTD.

### Semi-conductive Buffer Water-blocking Tapes, SCWB

**Composition:** Polyester non-woven fabric, super absorbent resin, polyester bulky fabric, adhesive.

**Application:** Applications where a robust tape is required and be used for water blocking, shielding and buffering in neutral screen wire between cable components in high voltage power cable.



### Technical Data

| Property             | Unit             | Types    |          | Test Method |
|----------------------|------------------|----------|----------|-------------|
|                      |                  | SCWB-150 | SCWB-200 |             |
| Thickness            | mm               | 1.5±0.4  | 2.0±0.4  | ISO9073-2   |
| Mass per unit area   | g/m <sup>2</sup> | 270±20   | 300±20   | ISO9073-1   |
| Tensile strength     | N/cm             | ≥40      | ≥40      | ISO9073-3   |
| Elongation           | %                | ≥12      | ≥12      | ISO9073-3   |
| Surface resistance   | Ohm/□            | ≤1500    | ≤1500    | DIN53482    |
| Volume resistance    | Ohm.cm           | ≤50000   | ≤50000   | DIN54345    |
| Swelling speed       | mm/1'00          | ≥8       | ≥8       | HYtest-10   |
| Swelling height      | mm/3'00          | ≥12      | ≥12      | HYtest-11   |
| Short-term stability | °C               | 230      | 230      | HYtest-5    |
| Long-term stability  | °C               | 90       | 90       | IEC216      |
| Moisture content     | %                | <9       | <9       | ISO287      |

These are general specifications, other specifications are available on request.

Spool is ordered from 150mm-700mm. Width, ID are also available on request.

Package: plastic foil bag inside, carton and pallet.

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