



## HANYU CABLE MATERIALS CO., LTD.

### Semi-conductive Water-blocking Tapes, SCW

**Composition:** Polyester non-woven fabric, super absorbent resin, semi-conductive adhesive.

**Application:** Be used under neutral screen wires and tapes between high-voltage cable components for binding, water-blocking and shielding.



### Technical Data

| Property             | Unit             | type      |           |           |           | Test Method |
|----------------------|------------------|-----------|-----------|-----------|-----------|-------------|
|                      |                  | SCW-30    | SCW-40    | SCW-50    | SCW-80    |             |
| Thickness            | mm               | 0.30±0.05 | 0.40±0.05 | 0.50±0.05 | 0.80±0.10 | ISO9073-2   |
| Mass per unit area   | g/m <sup>2</sup> | 120±10    | 140±10    | 160±10    | 240±15    | ISO9073-1   |
| Tensile strength     | N/cm             | ≥30       | ≥50       | ≥60       | ≥70       | ISO9073-3   |
| Elongation           | %                | ≥12       | ≥12       | ≥12       | ≥10       | ISO9073-3   |
| Surface resistance   | Ohm/□            | ≤1500     | ≤1500     | ≤1500     | ≤1500     | DIN53482    |
| Volume resistance    | Ohm.cm           | ≤50000    | ≤50000    | ≤50000    | ≤50000    | DIN54345    |
| Swelling speed       | mm/1'00          | ≥8        | ≥10       | ≥10       | ≥8        | HYtest-10   |
| Swelling height      | mm/3'00          | ≥12       | ≥15       | ≥16       | ≥12       | HYtest-11   |
| Short-term stability | °C               | 230       | 230       | 230       | 230       | HYtest-5    |
| Long-term stability  | °C               | 90        | 90        | 90        | 90        | IEC216      |
| Moisture content     | %                | <9        | <9        | <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.