

DOUBLE-SIDE NON-CONDUCTIVE LAMINATED WATERBLOCKING TAPE

Production Code: ZSD

Composition: Polyester non-woven fabric, polyacrylate swelling powder, corrosion inhibitor.

Application: Replacement of flooding compound under radial barriers.

Waterblocking armouring /between cable components replacement offlooding compound in loose tube constructions. In slotted core designs/waterblocking reinforcement layer

Typical properties						
Property	Unit	ZSD-20	ZSD-25	ZSD-30	ZSD-50	Test Method
Thickness?	mm	0.20 ± 0.03	0.25 ± 0.03	0.30 ± 0.03	0.50 ± 0.03	ISO9703-2
Mass per unit area	g/m ²	70 ± 10	80 ± 10	90 ± 10	140 ± 10	ISO9703-1
Tensile strength	N/cm	≥ 30	≥ 30	≥ 40	≥ 40	ISO9703-3
Elongation	%	≥ 12	≥ 12	≥ 12	≥ 12	ISO9703-3
Swelling speed	mm/1'00'	> 6	> 9	> 10	> 12	GB450
Swelling height	mm/3'00'	> 9	> 12	> 14	> 16	GB450
Short term stability	°C	230	230	230	230	Q/TR.J02.01
Long term stability	°C	90	90	90	90	IEC216
Moisture content	%	≤ 8	≤ 8	≤ 8	≤ 8	ISO287

DOUBLE-SIDE SEMI-CONDUCTIVE LAMINATED WATERBLOCKING TAPE

Production Code: BZSD

Application: Waterblocking armouring/between power cable components.

Typical properties:

Property	Unit	BZSD-30	BZSD-40	BZSD-50	Test method
Thickness	mm	0.30 ± 0.03	0.40 ± 0.03	0.50 ± 0.03	ISO9073-2
Mass per unit area	g/m ²	110 ± 20	130 ± 20	170 ± 20	ISO9073-2
Tensile strength	N/cm	≥ 30	≥ 35	≥ 40	ISO9073-3
Elongation	%	≥ 12	≥ 12	≥ 12	ISO9073-3
Swelling speed 1	mm/1'0"	> 8	> 9	> 10	GB450
Swelling height	mm/5'00"	> 12	> 14	> 16	GB450
Short term stability	°C	230	230	230	Q/TR.J02.01-2000
Long term stability	°C	90	90	90	IEC216-1990
Surface Resistivity	Ω	≤ 1500	≤ 1500	≤ 1500	GB3048
Volume Resistivity	$\Omega \cdot \text{cm}$	$< 1 \times 10^6$	$< 1 \times 10^6$	$< 1 \times 10^6$	GB3048
Moisture content	%	≤ 9	≤ 9	≤ 9	ISO287



- * Other parameters, including width, length, ID and OD can be arranged based on customers' requirements.
- * The above mentioned data sheet should, however, only be regarded as a general guide to product properties and not as a guarantee. Some of the properties can be changed and improved by SUNKING's development in technology.