

SEMI-CONDUCTIVE NONWOVEN TAPE

Production Code: BWFB

Application: Used for binder tape and Separating of cable core. Used for bedding and shielding under metal sheet.
Main technical parameters:

Property	Unit	Specification			Test Method
		BWFB20	BWFB30	BWFB40	
Thickness	Mm	0.20+/-0.02	0.3+/-0.03	0.4+/-0.04	ISO9073-2
Weight	G/m ²	80+/-10	90+/-10	100+/-10	ISO9073-1
Tensile Strength	N/cm	=40	≥50	=60	ISO9072-3
Elongation	%	=12	≥12	=12	ISO9073-3
Surface Resistance	Ω	<1500	<1500	<1500	DIN53482
VolumeResistance	Ω .cm	<1 x 10 ⁶	<1 x 10 ⁶	<1 x 10 ⁶	DIN54345
Short Term Stability	°C	230	230	230	IEC216-1990
Long Term Stability	°C	90	90	90	IEC216-1990

SEMI-CONDUCTIVE LAMINATED WATERBLOCKING FOAM TAPE

Production Code: BHZD

Composition: Semi-conductive Polyester non-woven fabric. Polyacrylate swelling powder. Polyester foam (Polyurethane Foam).

Application: Waterblocking and bedding for power cable.

PROPERTY	UNIT	BHZD-15	NHZD-20	TEST METHOD
THICKNESS	mm	1.5±0.5	2.0±0.5	ISO 9073-2
MASS PER UNIT AREA	g/m ²	240±30	270±30	ISO 9073-2
TENSILE STRENGTH	N/cm	≥40	≥40	ISO 9073-3
ELOGATION	%	≥12	≥12	ISO 9073-3
SWELLING SPEED?	mm/1' 00'	>6	>10	GB 450
SWELLING HEIGHT	mm/5' 00'	>12	>14	GB 450
SHORT TERM STABILITY	°C	230	230	Q/ TR.J02.01-2000
LONG TERM STABILITY	°C	90	90	IEC 216-1990
SURFACE RESISTIVITY	Ω	≤1500	≤1500	GB 3048
VOLUME RESISITIVITY	Ω .cm	<1×10 ⁶	<1×10 ⁶	GB 3048
MOISTURE CONTENT	%	≤9	≤9	ISO 287

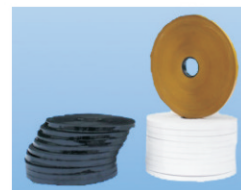
SEMI-CONDUCTIVE NYLON TAPE

PROPERTY	UNIT	BNLD-10	BNLD-12	BNLD-14	TEST METHOD
THICKNESS	mm	0.10±0.02	0.12±0.02	0.14±0.02	ISO 9073-2
MASS PER UNIT AREA	g/m ²	80±10	90±10	110±10	ISO 9073-2
TENSILE STRENGTH	N/cm	≥100	≥120	≥140	ISO 9073-3
ELOGATION	%	≥12	≥12	≥12	ISO 9073-3
SHORT TERM STABILITY	°C	230	230	230	Q/ TR.J02.01-2000
LONG TERM STABILITY	°C	145	145	145	IEC 216-1990
SURFACE RESISTIVITY	Ω	≤1500	≤1500	≤1500	GB 3048
VOLUME RESISITIVITY	Ω .cm	<1×10 ⁶	<1×10 ⁶	<1×10 ⁶	GB 3048
MOISTURE CONTENT	%	≤9	≤9	≤9	ISO 287

Production Code: BNLD

Composition: Nylon Fabric; Semi-conductive bonder

Application: Separating, binding / Between Power cable components



- * 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.