

DOUBLE-SIDE SEMI-CONDUCTIVE WATER-BLOCKING TAPE CBZSD

Composition: Semi-conductive Polyester non-woven fabric
Polyacrylate swelling powder
Corrosion inhibitor

Application: Water-blocking armoring/
Between Power cable components



Property	Unit	CBZSD-30	CBZSD-35	CBZSD-40	CBZSD-50	Test method
Thickness	mm	0.30±0.03	0.35±0.03	0.40±0.03	0.50±0.03	ISO 9073-2
Mass per unit area	g/m ²	110±10	120±10	130±10	160±10	ISO 9073-2
Tensile strength	N/cm	≥30	≥35	≥40	≥50	ISO 9073-3
Elongation	%	≥12	≥12	≥12	≥12	ISO 9073-3
Swelling speed	mm/1'00'	≥8	≥9	≥10	≥12	GB 450
Swelling height	mm/3'00'	≥12	≥13	≥14	≥16	GB 450
Short term stability	0C	230	230	230	230	Q/TR.J02.01-2000
Long term stability	0C	90	90	90	90	IEC 216-1990
Surface Resistance	W	≤1500	≤1500	≤1500	≤1500	ASTM D 4496
Volume Resistance	W.cm	<1x10 ⁶	<1x10 ⁶	<1x10 ⁶	<1x10 ⁶	ASTM D 4496
Moisture content	%	≤9	≤9	≤9	≤9	ISO 287
Property	Unit	CBZSD-25	CBZSD-30N	CBZSD-35N	CB-ZSD-50N	Test method
Thickness	mm	0.25±0.03	0.30±0.03	0.35±0.03	0.50±0.03	ISO 9073-2
Mass per unit area	g/m ²	100±10	120±10	130±10	170±10	ISO 9073-2
Tensile strength	N/cm	≥25	≥30	≥35	≥50	ISO 9073-3
Elongation	%	≥12	≥12	≥12	≥12	ISO 9073-3
Swelling speed	mm/1'00'	≥7	≥12	≥12	≥13	GB 450
Swelling height	mm/3'00'	≥10	≥15	≥16	≥18	GB 450
Short term stability	°C	230	230	230	230	Q/TR.J02.01-2000
Long term stability	°C	90	90	90	90	IEC 216-1990
Surface Resistance	Ω	≤1500	≤1500	≤1500	≤1500	ASTM D 4496
Volume Resistance	Ω.cm	<1x10 ⁶	<1x10 ⁶	<1x10 ⁶	<1x10 ⁶	ASTM D 4496
Moisture content	%	≤9	≤9	≤9	≤9	ISO 287