

Semi-conductive Laminated Water-blocking Tape

Composition: Semi-conductive polyester non-woven fabric; semi-conductive bonder; polyacrylate swelling resin

Application: Water-blocking, bedding and shielding for components; no causticity.

Property	Test Method	Unit	MHBZD30	MHBZD40	MHBZD50	MHBZD60
Mass per unit area	ISO9073-1	g/m ²	120 ± 10	140 ± 10	170 ± 10	190 ± 10
Thickness	ISO9073-2	mm	0.30 ± 0.03	0.40 ± 0.03	0.50 ± 0.03	0.60 ± 0.03
Tensile strength	ISO9073-3	N/cm	≥30	≥40	≥50	≥60
Elongation	ISO9073-3	%	≥12	≥12	≥12	≥12
Swelling speed	SUPPLIER TEST METHOD	mm/min	≥8	≥8	≥10	≥10
Swelling height	SUPPLIER TEST METHOD	mm/3min	≥12	≥12	≥14	≥16
Surface resistivity	DINIEC 167	Ω	<1500	<1500	<1500	<1500
Volume resistivity	DIN54345	Ω.cm	<1 x 10 ⁶	<1 x 10 ⁶	<1 x 10 ⁶	<1 x 10 ⁶
Short term stability	SUPPLIER TEST METHOD	°C	230	230	230	230
Long term stability	SUPPLIER TEST METHOD	°C	90	90	90	90
Moisture content	SUPPLIER TEST METHOD	%	≤9	≤9	≤9	≤9

Regarding the above property and index, various products can be produced according to the customer requirement.