



3M™ Membrane Switch Product with Adhesive

TECHNICAL DATA SHEET | (EFFECTIVE 24FEB25)

3M™ Membrane Switch Product with Adhesive			
PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUE
Adhesive Type		-	200MP Acrylic
Adhesive Carrier		-	Polyester Film (PET)
Adhesive Thickness		mm mil	0.05 2
Carrier Thickness		mm mil	0.18 7
Total Tape Thickness	ASTM D3652	mm mil	0.28 11
Liner Print		-	200MP
Primary Liner Type		-	58# Polycoated Kraft Paper (PCK)
Secondary Liner Type		-	58# Polycoated Kraft Paper (PCK)
Primary Liner Thickness		mm mil	0.11 4.2
Secondary Liner Thickness		mm mil	0.11 4.2
Overlap Shear Strength	ASTM D1002, ISO 4587	mpa lb/in ²	2.5 357
Coefficient Thermal Expansion	ASTM D696	m/m/ °C	3.0 × 10 ⁻¹
Thermal Conductivity	ASTM C518	w/m·k	0.167
Dissipation Factor	ASTM D150	-	0.019
Dielectric Strength	ASTMD149	v/mil	1,718
Volume Resistivity	ASTM D257	Ω-cm	1.9 × 10 ¹⁵
Breakdown Voltage		v	16,480