

# 3M 1683 Tape data sheet

## Polyester Film Tape with Electrical Insulation Grade Acrylic Pressure-Sensitive Adhesive

### Product Description

3M™ 1683 tape is an electrical insulating polyester film tape and meets non-halogen requirement. It offers good light shielding, proper adhesion level to be suitable for use on automated equipment.

- Bromide content<900ppm; Total halogen content<1500ppm
- Solvent resistant without thermosetting
- Electrical insulating
- Non-corrosive
- Good light shielding
- Excellent shelf life

### Typical Properties

Adhesive	Black color electrical grade acrylic
Backing	0.5 mil polyester film
Total Thickness	1.2 mils / 0.030 mm
Dielectric Breakdown	3500 Volts
Insulation Resistance @ 23 C & 96% RH, 96 hrs	>1.0 x 10 E+12 ohms
Breaking Strength	4.5 (kg/in)
Elongation (% at break)	50
Adhesion to Steel	0.85/ (kg/in)