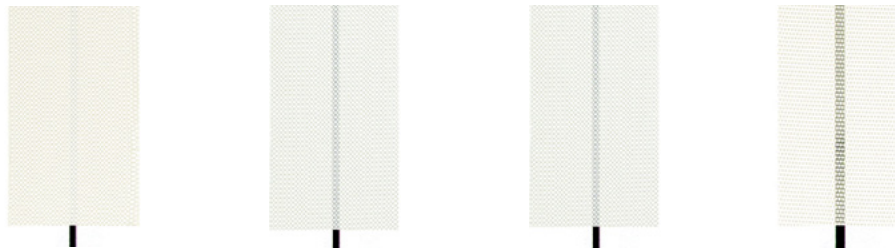


# 3M™ Electrical Tapes

## Glass Cloth

3M offers exceptionally flexible and conformable glass cloth backings with high-temperature resistance and tensile strength. With excellent absorption of resins and varnishes plus cut-through and edge-tear resistance, they are ideal for holding and strapping applications up to 200°C.

**Available with three (3) adhesive systems:** thermosetting rubber, solvent-resistant acrylic, and high-temperature silicone.



|                                                          | Thermosetting Rubber                                             |                                                          | Acrylic                                                                  | Silicone                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>3M™ Glass Cloth Tape</b>                              | <b>27</b> <a href="#">SDS</a>   <a href="#">DS</a>               | <b>90</b> <a href="#">SDS</a>   <a href="#">DS</a>       | <b>79</b> <a href="#">SDS</a>   <a href="#">DS</a>                       | <b>69</b> <a href="#">SDS</a>   <a href="#">DS</a><br>   |
| <b>Features</b>                                          | High-performance glass cloth tape that is tough and conformable. | Stiffer, saturated backing. Provides different handling. | Solvent-resistant version of 3M tape 27. Listed in many Class B systems. | High-temperature (200° C) glass cloth tape. UL510A flame retardant.                                                                                                                                                                                                                                                  |
| <b>Operating Temp (°C) †</b>                             | 150                                                              | 155                                                      | 155                                                                      | 200                                                                                                                                                                                                                                                                                                                  |
| <b>Total Thickness (mils)/(mm)</b>                       | 7.0/0,177                                                        | 7.5/0,19                                                 | 7.0/0,177                                                                | 7.0/0,177                                                                                                                                                                                                                                                                                                            |
| <b>Dielectric Breakdown (V)</b>                          | 3000                                                             | 3000                                                     | 3000                                                                     | 3000                                                                                                                                                                                                                                                                                                                 |
| <b>Insulation Resistance (megaohms)</b>                  | 4.8×10 <sup>4</sup>                                              | 1×10 <sup>2</sup>                                        | 2.7×10 <sup>2</sup>                                                      | 4.8×10 <sup>4</sup>                                                                                                                                                                                                                                                                                                  |
| <b>Breaking Strength (lb/in)(N/10 mm)</b>                | 150/252                                                          | 175/306                                                  | 150/262                                                                  | 180/314                                                                                                                                                                                                                                                                                                              |
| <b>Elongation (% at break)</b>                           | 5                                                                | 5                                                        | 5                                                                        | 5                                                                                                                                                                                                                                                                                                                    |
| <b>Electrolytic Corrosion (3M Test Method ETM 54001)</b> | 0.9                                                              | 0.9                                                      | 0.9                                                                      | 0.9                                                                                                                                                                                                                                                                                                                  |
| <b>Adhesion to Steel (oz/in)(N/10 mm)</b>                | 30/3,3                                                           | 50/5,5                                                   | 30/3,3                                                                   | 40/4,4                                                                                                                                                                                                                                                                                                               |
| <b>CTI Material Group</b>                                | I                                                                | -                                                        | I                                                                        | I                                                                                                                                                                                                                                                                                                                    |



† Operating temperature is equivalent to UL Recognition temperature where applicable. (See page 15).

 = Flame retardant. See page 15 for product specifications.