



## Product Specification 7147

Taconic 7147 is a mechanical grade 14 mil PTFE coated fiberglass fabric. This material exhibits release properties, heat resistance, and chemical resistance. Common applications include heat sealing/poly packaging, tray lining, wear stripping, gaskets and seals, and a variety of aerospace applications. Mechanical grade fabrics have a slightly lower PTFE coated weight compared with standard grade materials. Maximum width is 38" wide.

| Product Properties        | Units       | Value                 | Tolerance    | Test Method        |
|---------------------------|-------------|-----------------------|--------------|--------------------|
| Reinforcing Substrate     |             | <b>E-GLASS</b>        |              |                    |
| Coating Type              |             | <b>PTFE</b>           |              |                    |
| % Coating                 | %           | <b>54</b>             | +/- 2%       |                    |
| Total Coated Weight       | lbs/yd2     | <b>1.15</b>           | +/- 5%       | ASTM D4969         |
| Nominal Thickness         | inch        | <b>0.0119</b>         |              | ASTM D4969         |
| Coating Adhesion Strength | lbs/in      | <b>5</b>              | Typical      | ASTM D751          |
|                           |             | <b>3</b>              | Minimum      |                    |
| Dielectric Breakdown      | volts/mil   | <b>400</b>            | Typical      | ASTM D149 Method A |
|                           |             | <b>200</b>            | Minimum      |                    |
| Tensile Strength          | lbf/in      | <b>265</b>            | Typical Warp | ASTM D902          |
|                           |             | <b>150</b>            | Minimum Warp |                    |
|                           |             | <b>180</b>            | Typical Fill |                    |
|                           |             | <b>100</b>            | Minimum Fill |                    |
| Tear Strength             | lbs         | <b>8</b>              | Typical Warp | ASTM D5587         |
|                           |             | <b>5</b>              | Minimum Warp |                    |
|                           |             | <b>5</b>              | Typical Fill |                    |
|                           |             | <b>2.5</b>            | Minimum Fill |                    |
| Operating Temperature     | °Fahrenheit | <b>-100° to +500°</b> |              |                    |

Information contained in this document is based on our general experience and is given in good faith, but we are unable to accept responsibility in respect to factors which are outside our knowledge or control. All data is subject to change without notice.



Please contact us for samples or a quotation

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