### Data Sheet

**3M™ ThermaVolt 5-5-5 Laminate**  
**Triplex Electrical Insulating Paper**  

**Nominal Thickness**  
- mm  
- mil  
  
**Basis Weight**  
- g/m²  
- lb/yd²  
  
**Tensile Strength, MD**  
- lb/inch  
- N/cm  
  
**Tensile Strength, CD**  
- lb/inch  
- N/cm  
  
**Elmendorf Tear, MD**  
- g  
- N  
  
**Elmendorf Tear, CD**  
- g  
- N  
  
**Dielectric Breakdown Strength**  
- kV  
  
**Moisture Absorption**  
- %  

<table>
<thead>
<tr>
<th>Property</th>
<th>ASTM Test Method</th>
<th>TvFtv 5-5-5</th>
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<tbody>
<tr>
<td>Nominal Thickness</td>
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<td>Basis Weight</td>
<td>D-202</td>
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<td>Tensile Strength, MD</td>
<td>D-828</td>
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<td>Tensile Strength, CD</td>
<td>D-828</td>
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<td>Elmendorf Tear, MD</td>
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<td>515</td>
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<td>Elmendorf Tear, CD</td>
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<td>Dielectric Breakdown Strength</td>
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<td>Moisture Absorption</td>
<td>D-644</td>
<td>&lt;1.5</td>
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