**TECHNICAL DATA**

**COMPOSITE TAPE**  
**Product Code: 1H818**  
*(THICKNESS 0.45mm)*

**P. LEO & CO LTD**  
P.O. Box 175 Fo Tan, Shatin, Hong Kong.  
Telephone: (852) 2604-8222 * Facsimile: (852) 2693-2093  
E-mail: sales@pleo.com * Web Site: http://www.pleo.com

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**Important Notice to Purchase**

All Statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed and the following is made in lieu of all warranties, express or implied: Seller’s and manufacturer’s only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury loss or damage direct or consequential arising out of the use of or *his* inability to use the product. Before using users shall determine the suitability of the product for their intended uses and users assume all risk and liability whatsoever in connection there with.

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1H818 is thicker version of 1H866, composed of polyester film reinforced/laminated with polyester non-woven coated with acrylic adhesive. UL recognized, temperature rating up to 155 °C, and CTI grade PLC=0 as Group I material.

**Features/Benefits:**

It is excellent solvent resistance with quick grab property, as well as outstanding adhesion. Its flexibility of backing materials, enables easy manual or machine applications.

**Application:**

Ideal insulating material for the fabrication of transformers.

**Technical Details:**

<table>
<thead>
<tr>
<th>PROPERTIES</th>
<th>UNITS</th>
<th>SPECIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL THICKNESS</td>
<td>mm</td>
<td>0.45 ± 0.03</td>
</tr>
<tr>
<td>TENSILE STRENGTH</td>
<td>kg/25mm(lb/in)(N/10mm)</td>
<td>15(32.5)(58.8)</td>
</tr>
<tr>
<td>ELONGATION</td>
<td>%</td>
<td>40</td>
</tr>
<tr>
<td>ADHESION TO STEEL</td>
<td>kg/25mm(oz/in)(N/10mm)</td>
<td>1.5(52)(5.88)</td>
</tr>
<tr>
<td>DIELECTRIC BREAKDOWN</td>
<td>kV</td>
<td>5</td>
</tr>
<tr>
<td>INSULATION RESISTANCE</td>
<td>ohm</td>
<td>1 x 10^12</td>
</tr>
<tr>
<td>CORROSION FACTOR</td>
<td>Wire Tensile</td>
<td>1.0</td>
</tr>
<tr>
<td>TEMPERATURE RATING</td>
<td>°C</td>
<td>155</td>
</tr>
</tbody>
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**Color:**

White

**Test Method:**

In accordance with ASTM-D-1000 method

**Availability:**

Standard 30M roll, 3” core, width 960mm

**Shelf Life:**

6 months when storage at 23°C and 65% relative humidity.