

**Technical Data Sheet**

# Thermal Transfer Printable Paper Stock

This specification is intended to outline the physical and chemical properties of *PANDUIT*'s pressure sensitive thermal transfer printable paper material and include the following part numbers and printable material identifiers:

| Part Number Prefixes |  |  |
|----------------------|--|--|
| TTC*P                |  |  |
|                      |  |  |
|                      |  |  |
|                      |  |  |

| Printable Material Suffixes |  |  |
|-----------------------------|--|--|
| PBT                         |  |  |
|                             |  |  |
|                             |  |  |
|                             |  |  |

**PRODUCT SPECIFICATIONS:**

|                                  |   |
|----------------------------------|---|
| Description:                     | Material is RoHS compliant (European Union directive 2002/95/EC).<br>Material is a top coated paper stock with a pressure sensitive adhesive. |
| Print Methods:                   | This material is recommended for thermal transfer printing.   |
| Adhesive:                        | Rubber based, pressure sensitive permanent adhesive.  |
| Standard Colors:                 | White   |
| Thickness:                       | 3.5 +/- 0.3 mils (substrate and adhesive)   |
| Service Temperature Range:       | -65°F to 160°F (-54°C to 71°C)  |
| Minimum Application Temperature: | 40°F (4.4°C)  |
| Storage Conditions:              | Store at 70°F (21°C) and 50% Relative Humidity.   |

**PROPERTIES:****PERFORMANCE:**

|                                   |  |
|-----------------------------------|--|
| Peel Adhesion to Stainless Steel: | Tear (PSTC-101, 15 min. dwell)   |
| Tear Resistance:                  | MD: 39 g/in width<br>TD: 41 g/in width   |
| Tensile Strength:                 | MD 28 +/- 4.5 lbs./inch width (PSTC-131)<br>TD 19 +/- 2.9 lbs./inch width (PSTC-131) |
| UV Resistance:                    | *3000 hours, slight discoloration observed (ASTM G154)                               |
| Elevated Temperature Exposure:    | After 8 hours at 150°F (65.5°C) there was no deterioration of the substrate          |

**Reference:**

|       |   |
|-------|---|
| PSTC: | Pressure Sensitive Tape Council (U.S.A.)            |
| ASTM: | American Society for Testing and Materials (U.S.A.) |

\*3000 hours equates to 5 years of assimilated outdoor UV exposure.

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**APPROVALS**

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UL Recognized: UL969

File Numbers: MH 14576, MH 14979

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