The Tape Lab

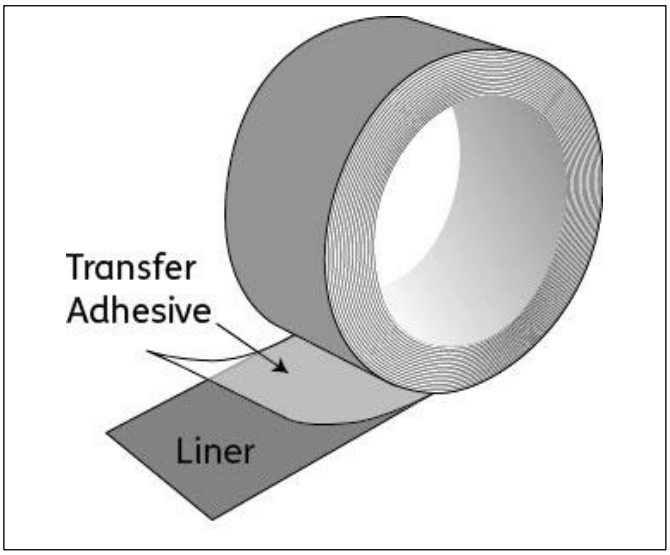
# PERFORMANCE GUIDE

## TTL-2173DC

Version: 1
Date: 9/2021

### Product Description

TTL-2173 is a 2.0 mil thick rubber pressure sensitive adhesive on a 3.2 mil SCK paper liner with Silicone on one side. This product is designed for applications that require exceptional performance on low surface energy materials, and cold or damp surfaces.




### Product Construction

- **Adhesive:** 2.0 mils Rubber
- **Liner:** Self wound, 3.2 mil SCK Paper Liner
- **Web Width:** 60”

### Features

- Aggressive cold-temperature rubber-based adhesive
- Good cohesive strength

### Benefits

- Minimum Application Temperature of -10°F/ -23°C
- Approved for direct food contact complies with FDA 175.125
- Low Surface Energy Adhesion
- Bond well to all paper & corrugate materials, including wax coated corrugate.
- Exceptional performance on foams including: XLPE, EPDM, EVA and Polyurethane Materials.

### Applications

- Packaging
- Freezer Applications
- Insulation & sound damping applications
- Applications that require high tack in cold, wet conditions.
- General purpose bonding applications.

| TTL-2173DC Physical Properties | | | |
|---|---|---|---|
| **Thickness** | **Mils** | | |
| Adhesive | 2.0 | | |
| Liner | 3.2 | | |
| Total Thickness | 5.2 | | |
| | | | |
| **Performance Test** | **Test Method** | **Typical Values** | |
| **Loop tack** | **PSTC-16** | **Lbs./in.** | **Oz/in.** |
| Backed with 2 mil PET | Stainless Steel | 6.8 | 109 |
| | HDPE | 3.4 | 54 |
| | | | |
| **Peel Adhesion 2 mil PET Backed** | **PSTC-101-A** | **Lbs./in.** | **Oz/in.** |
| 30-minute dwell | Stainless Steel | 6.2 | 99 |
| | | | |
| 30-minute dwell | HDPE | 6.0 | 96 |
| | | | |
| | | | |
| **Shear** | **PSTC-107** | **Hours to Fail** | |
| 1 kg weight | 72°F | 75+ | |
| | | | |

Values given are typical and not for use in specifications

**SERVICE TEMPERATURE**

Minimum Application: -10° (-23°C)
Service Range: -65°F to 150°F (-54°C to 65.5°C)

**APPLICATION RECOMMENDATIONS**

For best performance, surface must be free of oil, grease or other contaminants.

**SHELF LIFE**

One-year shelf life when stored at 75°F. (24°C.) and 50% relative humidity or less. It is recommended that the product be stored in its original package until ready to use.

**IMPORTANT NOTICE:** The information given and recommendations made herein are based on our research and are believed to be accurate. In every case, user shall determine before using any product in full scale production, whether such product is suitable for their particular purpose under their own operating conditions. User assumes all risk and liability whatsoever in connection with their use of any product. The products discussed herein are sold without any warranty as to merchantability or any other warranty, expressed or implied. No representative of ours has any authority to waive or change the foregoing provisions unless in a specific agreement signed by the officers of seller and manufacturer. Ultimately, sellers and manufacturers only obligation shall be to replace or credit such quantity of the product proved to be defective at its discretion.

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