



## **RADICAL® 1352**

### **Aggressive Acrylic Transfer Tape**

**RADICAL® 1352** is an aggressive, very high adhesion, 50 micron Acrylic Pressure Sensitive Adhesive Transfer Tape with excellent adhesion to low energy substrates. It is used in demanding applications where high temperature resistance is required. It exceeds the requirements of Toyota standard TSK5702G and Holden specifications HN-1555 & HN-2145.

**RADICAL® ADHESIVES** outperform traditional acrylic adhesives and protect our precious environment. I.N.C. has developed a radical new solvent free adhesive technology to produce **RADICAL® ADHESIVES**. The 100% solids oligomer is cross-linked by intense UV radiation to produce levels of performance previously only available from environmentally destructive solvent based acrylic adhesives.

#### **Typical Properties**

| Property  | Test Method | Results                       |
|---|-------------|-------------------------------|
| Adhesive Thickness  | PSTC-33     | 0.05mm (50g/m <sup>2</sup> )  |
| Release Liner Thickness   | PSTC-33     | 0.12mm (120g/m <sup>2</sup> ) |
| Loop Tack   | FINAT 9     | 29N/25mm                      |
| 180° Peel on stainless steel after 24 hours                         | PSTC-1      | 35N/25mm                      |
| 180° Peel on polypropylene after 24 hours                           | PSTC-1      | 33N/25mm                      |
| Static Shear on stainless steel @ 23C<br>Area 25 x 25mm, load 1000g | PSTC-7      | >2880min<br>(Test aborted)    |
| Out-gassing – Volatile Condensable Materials                        | DIN 75-201B | 1.15%                         |
| Minimum Application Temperature                                     |             | 10C                           |
| Maximum Continuous Operating Temperature                            |             | 100C                          |

#### **FEATURES**

- High adhesion strength
- High adhesion to low energy substrates
- High tack
- Good temperature resistance
- Extremely low release re-moisturised liner
- Low out gassing
- Excellent damping properties
- Available in roll sizes up to 1.4m wide
- Available in jumbo rolls of 250m long

#### **BENEFITS**

- Strong adhesion, even to polypropylene and HD polyethylene & PU foam
- High initial adhesion (quick stick)
- Suitable for permanent application at elevated temperatures
- Suitable for plasticised PVC (see Preparation)
- Easy liner removal
- Minimal “liner tunnelling”
- Excellent aging properties

#### **PREPARATION REQUIRED**

- Surfaces must be smooth, clean and free from grease, loose or flaking paint, dirt, and contaminants.
- Surfaces can be cleaned with a solvent based cleaner before applying the product
- Pressure should be used when applying to any surface
- Adhesion tests are recommended for powder coated surfaces
- Aging trials should be performed on plasticised PVC.

#### **APPLICATIONS**

- Used on automotive components, seals & gaskets, disc drive damping, electronic equipment, whitegoods, browngoods ,nameplates and high performance labels
- Excellent for steel, tin, aluminium, fibreglass, PVC , polypropylene, HD polyethylene and PU foam
- Suitable for most painted and enamelled surfaces (see Preparation for comments on powder coated substrates).



**COMMERCIAL-IN-CONFIDENCE**

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