



## **RADICAL® 1253**

### **High Performance Acrylic Transfer Tape**

**RADICAL® 1253** is a medium tack, high adhesion, 70 micron Acrylic Pressure Sensitive Adhesive Transfer Tape which is suitable for permanent applications at temperatures of up to 100C. It features medium tack and very high adhesion properties. It exceeds the requirements of Toyota standard TSK5702G and Holden specifications HN-1555.

**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 environmentally friendly **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	0.07mm (70g/m <sup>2</sup> )
Release Liner Thickness	PSTC-33	0.12mm (120g/m <sup>2</sup> )
Loop Tack	FINAT 9	24 N/25mm
180° Peel on stainless steel after 24 hours	PSTC-1	33 N/25mm
180° Peel on polypropylene after 24 hours	PSTC-1	25 N/25mm
Static Shear on stainless steel @ 23C Area 25 x 25mm, load 1000g	PSTC-7	>2880min (Test aborted)
Out-gassing – Volatile Condensable Materials	DIN 75-201B	0.87%
Minimum Application Temperature		10C
Maximum Continuous Operating Temperature		100C

#### **FEATURES**

- High temperature resistance
- Medium tack
- Strong adhesion to low energy substrates
- High adhesion strength
- High holding power
- Excellent plasticiser resistance
- Extremely low release re-moisturised liner
- Low out gassing & non ionic
- Excellent damping properties
- Available in roll sizes up to 1.4m wide
- Available in jumbo rolls of 250m long

#### **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 and some rubbers

#### **BENEFITS**

- Good initial adhesion (quick stick)
- Strong adhesion, even to polypropylene and HD polyethylene
- Suitable for all automotive applications
- Suitable for plasticised PVC (see Preparation)
- Easy liner removal
- Suitable for kiss cutting
- Minimal "liner tunnelling"
- Will not corrupt electronic equipment
- Clean removal
- Excellent aging properties

#### **APPLICATIONS**

- Used on automotive components, seals & gaskets, disc drive damping, electronic equipment, whitegoods, brown goods, 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)*



COMMERCIAL-IN-CONFIDENCE

I.N.C. Corporation Pty. Ltd. ABN 74 005 302 250  
22 Cleeland Road, Oakleigh South, Vic. 3167 Australia  
Tel: +613 9543 2800 Fax: +613 9543 8108  
Web: [www.inccorp.com.au](http://www.inccorp.com.au)



ISO9001 and QS9000  
Lic 0034  
Standards Australia