



## **RADICAL® 2452**

### *Superior Performance Acrylic Tape - Double Sided Tissue*

**RADICAL® 2452** is a high performance, double-sided, acrylic pressure sensitive adhesive tape. It is supported by a nonwoven tissue carrier, making it especially suitable for application to open cell foams and fabrics. This tape exhibits high tack, high adhesion and high temperature performance. It is especially suitable for automotive applications.

**RADICAL®** adhesives outperform traditional acrylic adhesives and protect our precious environment. I.N.C.'s radical new technology produces **RADICAL®** adhesives by cross-linking a 100% solids oligomer with intense UV radiation, producing levels of performance previously only available from environmentally destructive solvent based acrylic adhesives.

#### **Typical Properties**

<b>Property</b>	<b>Test Method</b>	<b>Results</b>
Adhesive Thickness (both sides)	PSTC-33	50 micron (50g/m <sup>2</sup> )
Rayon Tissue Carrier		12.7g/m <sup>2</sup>
Release Liner Thickness	PSTC-33	120 micron (120 g/m <sup>2</sup> )
Loop Tack	FINAT 9	21 N/25mm
180° Peel on stainless steel after 24 hours	PSTC-1	30 N/25mm
180° Peel on polypropylene after 24 hours	PSTC-1	22 N/25mm
Static Shear on stainless steel @ 23C Area 25 x 25mm, load 1000g	PSTC-7	22 hours
Out-gassing – Volatile Condensable Materials	DIN 75-201B	0.87%
Minimum Application Temperature		10C
Maximum Continuous Operating Temperature		105C
Recommended Shelf Life when stored at 23° C and 50% relative humidity		12 months from receipt of goods

#### **FEATURES**

- High initial tack
- High cohesive strength
- High temperature resistance
- Low out gassing
- Excellent adhesion to low energy substrates
- Rayon tissue carrier
- Extremely low release re-moisturised liner
- 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

#### **BENEFITS**

- High initial adhesion (quick stick)
- Creep resistant
- High holding power
- Low fogging
- Strong adhesion to polypropylene and HD polyethylene
- Conformable, stretch resistant carrier
- Easy liner removal
- Minimal "liner tunnelling"
- Excellent aging properties
- Cost effective application

#### **APPLICATIONS**

- An excellent adhesive for all types of automotive components, seals and gaskets, electronic equipment, white-goods, brown-goods and nameplates
- Especially suitable for open and closed cell foams, steel, tin, aluminium, fibreglass, polypropylene and HD polyethylene, as well as woven and nonwoven fabrics
- 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)



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