



# Technical Data Sheet

## Tape & Adhesive

2003/04/25

### Double Coated Non-woven Tape 9448HK

#### Product description

9448HK is double coated pressure sensitive adhesive tape. High adhesion acrylic pressure sensitive adhesive is coated on both sides of flexible non-woven film. High adhesion acrylic pressure sensitive adhesive has good bond strength on many types of substrate including low surface energy plastics on which most acrylic adhesive can not adhere well. Initial tack of this adhesive is not so effected by temperature change and good tack even at cold environment. Soft acrylic adhesive can penetrate rough surface and show good bonding. Paper liner is chosen to provide high suitability to converting processes such as die cutting.

#### Product construction

	Acrylic adhesive	Tape thickness: 0.15mm
	Non-woven cellulose	
	Acrylic adhesive	Liner thickness: 0.12mm
	Release liner, white paper with 3M logo	

#### Properties

- Peel strength (N/cm)

180 peel		90 peel						
Stainless Steel	Al	Acryl	P.E.	P.P.	ABS	P.C.	PVC	
5.9	4.4	5.0	5.5	2.2	2.8	6.6	5.1	7.8

Al; Aluminum, P.E.; Polyethylene, P.P.; Polypropylene, P.C.; Polycarbonate, PVC; Poly Vinyl Chloride

Backside substrate: 1mil thick polyester film, Sample width: 25mm, Pressure: 2kg rubber roller once for each direction  
Dwell temp: room temperature (23°C) for 20-40min., Peel speed: 300mm/min.

- Dynamic shear strength (N/cm<sup>2</sup>)

Test temp (C)	5	23	50	75	100
value	181	92	44	21	11

Substrate: SS304BA, Sample size: 25mmX25mm, Pressure: 5kg rubber roller once for each direction

Dwell temp: room temperature (23°C) for 24hrs., Peel speed: 300mm/min.

- Holding power (drop time, min)

Test temp (C)	40	80
value	34	9

Substrate: SS304BA, Sample size: 25mmX25mm, Pressure: 5kg rubber roller once for each direction

Dwell temp: room temperature (23°C) for 24hrs., Weight: 2kg

Specifications and appearance may be changed without prior notice. All statements, technical information and recommendation herein are based on information believed to be reliable, but the accuracy or completeness thereof is not guaranteed. Before utilizing the product, the user should determine the suitability of the product for its intended use. The user assumes all risks and liability whatsoever in connection with such use. Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. The statements contained herein are made in lieu of all warranties, expressed or implied. Any statements or recommendations which are not contained herein shall have no force or effect unless contained in an agreement signed by an authorized officer of seller and manufacturer.

Scotch brand is registered trademark of 3M Company. 3M brand is trademark of 3M Company.

**SUMITOMO 3M LIMITED Tape & Adhesive Division**

2-33-1 Tamagawadai Setagayaku Tokyo

<http://www.mmm.co.jp/tape-adh/>