



# 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

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